#### Hot melt welding putty

(To Repair Rigid PVC, Stainless steel, Cast iron, Brass & Bronze and Aluminum)

#### Feature:n

- 1. The product do not contain the organic solvent (100%) solid solute. It will not evaporate and harden.
- 2. Environmental production and non-pollutian. The product is containging no heavy
- metal (Cd, Cr, Hg and Pb). 3. Pot-life : within five years under 25°C
- 4. Curing : room temperture 2hrs-Ahrs, under the heating temperature of 200°C, it will take 10  $^{\circ}$  30 seconds to harden.
- 5. Working pressure : MWP 30kgf/cm<sup>2</sup> (425psi).
- 6. Heat resistance 180°C, Cold resistance-60°C.
- 7. Corrosion, acid, alkali and freon resistance.
- Strong adhesion various high tencacity. Expansion when hot and shrinkage when cold. It will not spall and crack.

#### Application

Multi-purpose of repairing in various materials.such as:rigid pvc pipes,stainless steel, bronze, brass, casting iron, aluminum, galvanized pipe & socket, elbow, pressing fitting, cooling/heating/steam coil, A/C condenser, A/C pipe. evaporator, radiator.power steering pipe.transmission case, and different hard materials welding adhesion each others

#### ThreeBond 1300 Series



This powerful anaerobic sealant is a single-fluid non-solvent agent. Its main component is the liquid macro-molecular substance. Its fills the gaps of metal parts and adheres to them at room temperature when air is block.

Various types are available to cater to different purposes, such as the low strength, medium strength and high strength type, and for use with screw or fitting.

\* Fastening and sealing of screws.\* Fastening the fitting parts of pulley, etc.

Packing: 50g, 250g/plastic container

AU00019

|  | High S     | trength                     | Medium     | Strength                            |           | Low Strength                                |           |
|--|------------|-----------------------------|------------|-------------------------------------|-----------|---|-----------|
| Туре   | AU00653    | AU00019                     | AU00022    | AU00023                             | AU00654   | AU00655                                     | AU00656   |
|  | TB1303     | TB1305                      | TB1322     | TB1324                              | TB1327    | TB1342                                      | TB1344    |
| Color  | Green      | Green                       | Red        | Red                                 | Red       | Blue  | Blue      |
| Viscosity cps ±20% . 25°C                        | 150        | 600                         | 150        | 600                                 | 2500      | 150   | 600       |
| Return torque (kgf . Cm) . Break-loose torque*1  | 250~350    | 250~350                     | 100~200    | 100~200                             | 200~300   | 50~100                                      | 50~100    |
| Return torque (kgf . Cm) . Prevailing torque* 1  | 250~350    | 250~350                     | 250~350    | 250~350                             | 200~300   | 50~70                                       | 50~70     |
| Fit strength (kgf/cm²) 6Ø x 15L*2                | 250~350    | 250~350                     | 160~210    | 200~280                             | 220~300   | 100~160                                     | 100~160   |
| Fit strength (kgf/cm²) 12.7Ø x 11L*3             | 200~250    | 200~250                     | 140~190    | 160~210                             | 180~230   | 20~60                                       | 50~90     |
| Setting speed, time to practical strength (hr)*4 | 1~2        | 1~2                         | 1~2        | 1~2                                 | 1~2       | 1~2   | 1~2       |
| Setting speed, time to final strength (hr)       | 24         | 24                          | 24         | 24                                  | 24        | 24  | 24        |
| Optimum clearance (mm)                           | 0.005~0.01 | 0.01~0.02                   | 0.005~0.01 | 0.01~0.02                           | 0.02~0.05 | 0.005~0.01                                  | 0.01~0.02 |
| Maximum clearance (mm)                           | 0.15       | 0.3                         | 0.15       | 0.3                                 | 0.3       | 0.15  | 0.3       |
| Chemical resistance*5                            | 4          | 4                           | 4          | 4                                   | 4         | 3   | 3         |
| Usable temperature range                         | -80~150°C  | -80~150°C                   | -80~150°C  | -80~150°C                           | -80~150°C | -80~150°C                                   | -80~150°C |
| Main usages                                      | , v        | & sealing of stud<br>screws | 0          | fixing & sealing of<br>bolts & nuts |           | ng and sealing of s<br>quiring frequent rem |           |

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Chemical



ENAMA

## **THREE BOND**

| Se | ection | Chart  |
|----|--------|--------|
| 20 |        | CIIGII |

| $\square$              | 、 T   | уре                                 | Non Solvent Type   |   | Solver   | nt Type  |  |
|------------------------|---|-------------------------------------|--|---|--|--|--|
|                        |   | ade                                 | 1101   | 1102  | 1104   | 1105   | 1107D  |
| It                     | em  |                                     | AN00001  | AN00003   | AN00007  | AN00009  | AN00011  |
| M                      | ain Components  | $\rightarrow$                       | Phenol Resin modified with Fatty Acid  | Modified Alkyd Resin  | Synthetic Rubber   | Synthetic Rubber   | Lubricating Oil, Colloidal Metal                               |
| Properties             | Color<br>Viscosity (cP, 25<br>Specific Gravity (25  | 5°C)<br>5°C)<br>(%)                 | Reddish Brown<br>1,000,000<br>1.42<br>Non-Solvent<br>Non-Drying<br>Non-Elastic                               | Yellow<br>6,900<br>1.33<br>79<br>Non-Drying<br>Non-Elastic  | Gray<br>9,500<br>1.36<br>56<br>Semi-Drying<br>Elastic  | Black or Silver<br>3,500<br>0.92<br>26<br>Peelable Dry Film<br>Elastic               | Black<br>40,000<br>3.00<br>94<br>Non-Drying<br>Non-Elastic     |
| Pressure<br>Resistance | ,   | :m²)                                | 70<br>35<br>5  | 95<br>75<br>60  | 95<br>80<br>70   | 85<br>65<br>55   | 80<br>65<br>55   |
| н                      | eat Cycle Resistance (Kgf/  | cm²)                                | 35   | 75  | 90   | 55   | 65   |
| Che mical Resistance   | to Gasoline (50<br>to Oil (100<br>to NaOH (11   | i°C)<br>)°C)<br>)°C)<br>)°C)<br>)%) | 5<br>1<br>2<br>2<br>3  | 5<br>5<br>5<br>5<br>5<br>5  | 5<br>5<br>5<br>5<br>5<br>5   | 5<br>4<br>4<br>5<br>5  | 5<br>1<br>1<br>2<br>2  |
| O Properties           | Mounding<br>Dismantling<br>Tackiness after Application<br>Serviceable Temp. ('<br>Diluent<br>ontent (Container)<br>Id Grade Reference | °C)                                 | 4<br>3<br>Tacky<br>-40-80<br>-<br>1kg Can, 200g Tube<br>TB #1  | 3<br>3<br>Tacky<br>-40~150<br>Toluene, MEK<br>1 kg Can, 200g Tube<br>TB #2  | 4<br>3<br>Non-Tacky<br>-40~150<br>Toluene, MEK<br>1kg Can, 200g Tube<br>TB #4  | 3<br>4<br>Non-Tacky<br>-40-150<br>Ethyl Acetate, MEK<br>1 kg Can, 150g Tube<br>TB #5 | 4<br>4<br>Tacky<br>-40-400<br>Toluene, MEK<br>1kg Can<br>TB #7 |
| -                      | a Ordae kererence<br>satures  |                                     | Non-solvent and harmless     Excellent sea water resistance     Does not deteriorate plastics     and rubber | All-round use<br>Non-drying, easy application<br>Excellent gasoline resistance<br>JIS K-6820<br>Patent No. 506844 | All-rout use     For large clearance application     Excellent LPG S/b on one line     resistance     JIS K-6820     Patent No. 569400 | Vibration resistance     Peelable dry film   | For high temperature application                               |

|                        | Туре               |                         | Silicone RTV (Room Tem      | perature Vulcanization)         |  |
|------------------------|--------------------|-------------------------|-----------------------------|---------------------------------|--|
|                        | Grade              | 1211                    | 1212                        | 1215                            | 1207C / 1207D  |
| ltem                   |                    | AN00014                 | AN00015                     | AN00016                         | AN00017  |
| Reaction Mechanis      | sm                 | Deoximization           | Deoximization               | Deoximization                   | Deoximization  |
| Color                  |                    | White                   | White                       | Gray                            | Red-brown (1207C) / Silver (1207D)   |
| State, Viscosity       | (cP, 25°C)         | 70,000                  | Non-fluid                   | Semi-fluid                      | Non-fluid  |
| Specific Gravity       | (25°C)             | 1.01                    | 1.05                        | 1.50                            | 1.50   |
|                        | g / 5sec           | 45                      | 30                          | 45                              | 30   |
| Extrusion              | cc / 5sec          | 30                      | 28.5                        | 30                              | 20   |
| Touch-proved Desi      | ccation Time (min) | 90                      | 15                          | 60                              | 5  |
| Setting Time           | (mm/day)           | _                       | _                           | 2.5                             | 3.0  |
| Hardness               | (Hs)               | 20                      | 35                          | 45                              | 60   |
| Tensile Strength       | (Kgf/cm²)          | 10                      | 20                          | 15                              | 50   |
| Elongation             | (%)                | 230                     | 260                         | 320                             | 170  |
| Shear Bonding Str      | ength (Kgf/cm²)    | 12                      | 10                          | 8.0                             | 12.0   |
|                        | To Water           | -0.5                    | +1.3                        | -0.5                            | -0.4   |
| Chemical<br>Resistance | To Engine Oil      | +5.0                    | +5.0                        | +3.0                            | +5.8   |
| Resistance             | To Gasoline        | -20.2                   | -15.1                       | -4.0                            | -3.0   |
| Removability           |                    | Normal                  | Normal                      | Normal                          | Good   |
| Effective Temperat     | ure Range          | -60~250 ℃               | -60~250℃                    | -60-250°C                       | -60~250°C  |
| Coating Method         |                    | Tracing                 | Tracing                     | Tracing                         | Tracing  |
| Capacity               |                    | 100g                    | 100g                        | 250g, 333cc, 20kg               | 150g, 333cc, 20kg  |
| Typical Application    | n                  | General Purpose         | General Purpose             | Differential case, Transmission | Water pump, Oil pan  |
| Main Features          |                    | Fluid, Easy application | Non-fluid,<br>Easy mounding | Resistive for gear oil          | Quick setting, high tolerance to<br>pressure realized immediately after<br>coating-assembling, high resistivity<br>to chemicals, readily removable and<br>resistive to LLC and engine oil. |
|                        |                    |                         | Caution: May deteriorate o  | copper and copper alloys        |  |

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## THREE BOND

#### ThreeBond 1700 Series

#### Instant Heavy Duty Adhesive

ThreeBond 1700 Series are instant heavy-duty adhesives. The adhesives adhere strongly within a few seconds on almost all substances such as metals, plastics, glass, rubber ceramics, etc., but it is not suitable for adhering materials which adsorb the adhesive such as leather, canvas, paper, wood, etc

• For adhering weather strip rubber and door-stop rubber, firm fixing of the speed changer lever, fitting of cushion rubber and gromet and oscillation prevention of the fender mirror. ontainers

| <ul> <li>Package2-g and 20-g plastic contai</li> </ul> |         |           |  |  |  |  |
|--|---------|-----------|--|--|--|--|
| Stock Code   | Model   | Packing   |  |  |  |  |
| AU00041  | TB1741  | 20g / Btl |  |  |  |  |
| AU00042  | TB1743  | 20g / Btl |  |  |  |  |
| AU00043  | TB 1747 | 20g / Btl |  |  |  |  |
| AU00044  | TB1781  | 20g / Btl |  |  |  |  |
| AU00045  | TB1782  | 20a / Btl |  |  |  |  |

| AU00045<br>AU00046 | TB1782<br>TB1783 | 20g / Btl<br>20g / Btl |
|--------------------|------------------|------------------------|
| Stock Code         | Model            | Packing                |
| AU00047            | F2 Instant       | 20g / Btl              |
| AU00048            | TB1796BP         | 45g / Btl              |
| AU00049            | TB1795           | 50ml                   |



#### ThreeBond 1802B

Penetrative Lubricant and Corrosion Inhibitor for equipment

Three Bond 1802B is an anti-corrosion lubricant which combines water proofing, rust proofing, lubricating and screw loosening functions into one agent tiat can also be used in many other applications.

APPLICATION: Rust-prevention, lubrication and cleaning of machines, parts, tools and jigs. Loosening of seized bolts and screw

- FEATURE: In compliance with JIS K2246-NP3
- PACKAGE: 420 ml aerosol





AU00050

#### ThreeBond 1804

Odorless Rust-preventive Lubricant

ThreeBond 1804 is an odorless rust-preventive lubricant. It is practically odorless, and has virtually no adverse effect on plastics. The usage applications are the same as ThreeBond 1801, but it is most suitable for the cabin of automobiles where odor is liable to become stuffy, or where plastics are assembled.

This grease is made up mainly of silicone. In comparing with the petroleum oil series, the working temperature is wider. It is able to maintain its lubricity at-30-170°C. It is also stable to heat oxidation

AU00051

- Spray it on cabin or room which has become stuffy such as
- the return springs of the clutch and brakes.

and water, making it very suitable for use on gas cooker

Feature: Good stability to heat oxidation

Main application: Gas cooker grease, lubricate rubber and plastic parts.

• Package...20-ml aerosol-type

| Stock Code | Model  | Packing |
|------------|--------|---------|
| AU00051    | TB1804 | 420ml   |

ThreeBond 1855 / 1856



#### ThreeBond 1805

Grease-type Rust-preventive Lubricant

ThreeBond 1805 is a grease spray-type rust-preventive lubricant. When sprayed, it becomes a durable grease with soft film that can withstand high loads and closely adheres to the metallic surface. It has excellent waterproofing and weather resistance, and in particular, it withstands washing-out by rainwater and effective long-term rust prevention and lubrication. Fine for rust prevention and lubrication of outside locations which are directly exposed to sunlight and rain.

• For bonnet locks, door hinges, door locks, trunk hinges, spaces between leaf springs, spring spacers, clutch plunger squeaks, petal squeaks, gate-door hinges, yachts, cultivators, tools, and lawn mowers. Package...340-ml aerosol-type



AU00052

Stock Code Model Packing AU00052 TB1805 340ml

#### ThreeBond 1901 and 1910

Molybdenum Disulfide Based Seizure Preventive Lubricants

ThreeBond 1901 and 1910 are molybdenum disulfide based seizure preventive lubricants. Molybdenum disulfide has a friction coefficient which is lower than any conventional lubricants, and is an ultra-fine-grain solid lubricant which is also extremely stable chemically and temperature wise. Through friction, it forms a lubricating film which is smooth, tough, heat resistant, pressure resistant and protects mechanical parts from wear, seizure, and gouging which are major problems of mechanical equipment

- Use ThreeBond 1901 and 1910 to sliding parts, rotary parts,
- fitting-over parts and screwed parts.
- ThreeBond 1901...1-kg and 500-g canned pastes ThreeBond 1910...480-g aerosol-type

| Stock Code | Model  | Packing   |
|------------|--------|-----------|
| AU00055    |        | 1kg / Can |
| AU00056    | TB1910 | 420ml     |

# 30 AU00055

## ThreeBond 2082EEEEEE

Filling Repairing Agent

Three Bond 2082F is a two-component epoxy adhesive compound. Widely use for application like filling and repairing. This production has a high adhesive strength, excellent resistance towards chemicals, water, oil and mechanical force.

#### Application

Bonding of various type of metals, glass, china, tile, stone, concrete, plastic, etc. (Not suitable for polyethylene, polypropylene, o-polymer)

Repairing of holes and crack of mortar, concrete, metals, etc.

Model Packing AU00058 TB2082E 1.5g / Set



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Stock Code

## ThreeBond 2082C

#### High Shear Strength Type

Three Bond 2082C is a two-component epoxy adhesive compound. Rubber particles are distributed within the epoxy, making the cured material non-brittles, imparting toughness and high bonding ability.

The pot life at room temperature (25 °C) is 70 minutes. About 90% of the total strength can be obtained after 24 hours Application

- Bonding of various metals, plastic, etc
- Repair bonding for cars, vehicle and ship
- Bonding of electrical and electronic parts
- Bonding of precision equipment
- Bonding of ski rack and other sports equipment

Packing Stock Code Model AU00057 TB2082C 100g / Set AU00057

Packaging: 100g tube 1 case: 20 pieces x 5

Silicone Grease

| Model  | Packing         |
|--------|-----------------|
| TB1855 | 100g            |
|        |                 |
| Model  | Packing         |
| TB1856 | 100ml           |
|        | TB1855<br>Model |





AU00053

## ThreeBond 2083L Under water-hardening Type Adhesive & Filling Agent

Putty-like water-setting filler-adhesive based on epoxy resin. High bonding strength is achieved in the presence of moisture and even in water, allowing to be used in such environment where the conventional adhesive is not so effective

- Application: Bonding, filling and repairing in water and on moist faces. Bonding of hard PVC pipe, filling of cracks and holes in concrete, and bonding of tiles.
- Feature: Reacts and sets in water and under moist conditions to exert high bonding strength
- Package: 500 g set, 2 kg set can.

#### ThreeBond 2084 For Quick, Economical Repair

Chemical

Three Bond Series Repair Kits are epoxy-based compounds for repairing; cracked pipes broken tank, rejected work pieces for bonding or some metals or concrete. This series eliminates large and troublesome work to remove pipes, weld, etc. and will drastically reduce repair cost.

- Main agents (1kg) hardener (100gm), glass cloth (5 cm x 10 cm) I solvent can (200 g).
   Good adhesion on metal for bonding, filling and laminating. It S very popular in various industries such as iron and steel, electric parts, shipbuilding, petroleum, chemical, machine, vehicle, electricity, foods, VX and construction. AU00061

#### Pando 391D Gasket Remover

This is an easy-to-use, aerosol type, removing agent for gasket

- Main application: This can be used to remove gasket, packing, sealant, grease, carbon or paint. Feature: Does not attack metals
- Packaaina: 420ml aerosol
- 1 case: 10 pieces x 2

#### **Super Sealer**

Super Sealer No 1. 2. 3 are high temperature resistant silicon sealant. They are developed based on totally different concepts and leakage prevention theories from the conventional solid sheet gasket. Simply apply a layer of sealant on the flange surface of engine parts. Leakage of oil, water, gasoline can be prevented.

- Extreme high temperature resistance (-65°C to 350°C)
- Fast cure and OdourlessExcellent Oil resistance

#### **Super Lubricant**

affinity for metal makes it easy to remove even deeply rusted threaded fasteners. Furthermore, the lubrication properties reduce creaking of moving parts in machinery and appliance. It is odourless and CFC free

- Agent for penetrative lubrication
- Moisture repelling

#### Super Cleaner

oil effectively. It's also commonly use in Plastic Moulding companies as a industrial cleaning agent for metal mould. Most importantly, it is environmental friendly and CFC free. Stock Code Packing

- Remove grease and oil effectively

Super Glue is a heavy-duty instantaneous cyanoacrylate adhesive. The adhesive adheres strongly within a few seconds on almost all type of material. Low viscosity, easy application and usage ideal for bonding metals, glass, rubber, china wares, leather, wood & plastic materials.

- One drop permanently bonds metal, glass, rubber, wood, leather and plastic
- Bonding can be achieved within second
- Clean, non staining or messy • Single drop hold up to 5000 lbs
  - ALLINTON ENGINEERING & TRADING PTE LTD

Super Lubricant is an environment friendly lubricating agent. Developed for moisture-proofing, rust-preventive, lubrication and screw loosening agent. Its outstanding

- Anti rust protective agent for metal mould

Super Cleaner is a fast drying cleaning agent designed for cleaning of brake in automobiles and machinery parts. Remove dirt, grease and

- Industrial cleaner for automobile and machinery parts
- Rapid drying nature, assist in productivity

#### Super Glue

Stock Code Packing AU00283 3g blister packed tube

AU00283











CLEANER

Chemica

15/8/17 4:36 pm



Packing

Packing

85gm / Tube

85gm / Tube

150cc Adhesive

Packing

480ml aerosol can

400ml aerosol can

AU00275

AU00608

AU00074

AU00073

Stock Code

ALI00059

AU00060

Stock Code

Stock Code

AU00074

AU00075

AU00076

Stock Code

Model

Model

No. 1 Grey

No. 2 Red

TB-1530C

Model

AU00608

AU00275 TB1803CA

AU00073 PANDO391D 480g / Spray

AU00060

## LOCTITE

#### Loctite Adhesive

| Applications   | Stock Code                     | Loctite<br>Product<br>No.       | Colour                                  | Viscosity<br>(mPa.s)                | Breakloose/<br>Prevail Torque<br>(N.m)     | Tensile Shear<br>Strength<br>(N/mm²)        | Operating<br>Temperature                   | Key Features   |
|--|--------------------------------|---------------------------------|---|-------------------------------------|--|---|--|--|
| Thread Sealing:  | Provides a fl<br>Not for use a | uid tight seal<br>on most therm | for threaded ass<br>noplastics, in pure | emblies and pipi<br>e oxygen and/ o | ng systems up to 15<br>r an oxygen rich sy | 50°C. For use on me<br>vstem and as sealant | tal piping material<br>for chlorine or oth | ,<br>such as carbon steel, cast iron, and stainless steel.<br>ier strong oxidising materials.                                  |
| Pneumatic/ Hydraulic Connections<br>(Up To M36 Pipe Size)                                  | AU00186                        | 542-32                          | Brown                                   | 525                                 | 25/ 11.5                                   | -   | Up to 150°C                                | Fast cure. Suitable for Taper/ Straight thread type.   |
| General Purpose Pipe Sealant<br>(Up to M80 Pipe Size)                                      | AU00187                        | 545-31                          | Purple                                  | 14,000                              | 25/ NA                                     | -   | Up to 150°C                                | Suitable for Taper/ Taper (NPT) thread type.<br>Low controlled strength for easy diassembly.                                   |
| General Purpose Pipe Sealant<br>(Up To M80 Pipe Size)                                      | AU00188                        | 565-31                          | White                                   | 300,000                             | 5°/ NA                                     | -   | Up to 150°C                                | Instant seal. Suitable for Taper/ Taper (NPT), Taper/<br>Straight thread type.<br>Low controlled strength for easy diassembly. |
| General Purpose Pipe Sealant<br>(Up To M80 Pipe Size)                                      | AU00389                        | 577                             | White                                   | 17,000                              | 20/3                                       | -   | Up to 150°C                                | Slow cure, medium strength. Suitable for Taper/<br>Straight thread type.<br>Low controlled strength for easy diassembly.       |
| Flange Sealing:  | Provides a fl                  | uid tight seal                  | between flanged                         | d assemblies. Ful                   | performance fluid                          | seal capability achi                        | eved in 24 to72 hc                         | urs.   |
| For Rigid Structural<br>Close Fitting Flanges<br>(Gap Fill Up To 0.2mm)                    | AU00388                        | 509                             | Light Blue                              | 65,000                              | _  | 8/3   | Up to 150°C                                | Remains Flexible at high temperature.<br>Excellent fluid resistance.   |
| For Rigid Close Fitting Flanges<br>(Gap Fill Up To 0.2mm)                                  | AU00183                        | 510                             | Red                                     | 188                                 | -  | 7.5/7                                       | Up to 200°C                                | High temperature resistance.<br>Excellent fluid resistance.  |
| General Purpose OEM, and<br>Aluminium Castings<br>(Gap Fill Up To 0.5mm)                   | AU00185                        | 518-31                          | Red                                     | 800                                 | -  | 8.5/ 8.5                                    | Up to 150°C                                | Excellent fluid resistance. High flexibility.  |
| For Rigid Structural<br>Close Fitting Flanges<br>(Gap Fill Up To 0.5mm)                    | AU00192                        | 574                             | Orange                                  | 30,000                              | _  | 5/ 8.5                                      | Up to 150°C                                | Fast cure. Ideal for silk screen application.  |
| Oil Resistant RTV Silicones:   | Non-slumpin                    | g, non-corros                   | ive, low odour a                        | nd low volatile si                  | licone adhesive/ se                        | ealant.                                     |  |  |
| Oil Resistant RTV<br>Automotive Powertrain<br>(Low Joint Movement)<br>(Gap Fill Up To 6mm) | AU00390                        | Ultra-Grey™<br>5699/33964       | Grey                                    | Paste                               | -  | 3/2   | Up to 200°C                                | Medium modulus, low elongation.<br>Provides an instant seal.   |
| Retaining:   | Bonding cyli                   | ndrical metal                   | lic assemblies (H                       | ub to shaft). Ach                   | ieving success in bo                       | ı<br>onding dissimilar ma'                  | terial requires care                       | L<br>ful engineering consideration.  |
| General Purpose<br>(For Radial Clearance <0.1mm)   | AU00195                        | 603                             | Green                                   | 125                                 | _  | NA/ 26                                      | Up to 150°C                                | Works on surface insensitive materials, oil tolerant.<br>High strength.  |
| High Temperature, Non-migrating<br>(OEM)<br>(For Radial Clearance <0.1mm)                  | AU00197                        | 620-40                          | Green                                   | 8,500                               | -  | NA/ 27                                      | Up to 200°C                                | High thermal durability. High strength.  |
| Fast Curing<br>(For Radial Clearance >0.1 mm-<br><0.25mm)                                  | AU00199                        | 638-31                          | Green                                   | 2,500                               | -  | NA/ 31                                      | Up to 150°C                                | Fast curing and high strength.   |
| ,<br>Medium Strength<br>(For Radial Clearance <0.1mm)                                      | AU00391                        | 641                             | Yellow                                  | 525                                 | -  | NA/ 11.5                                    | Up to 150°C                                | Medium strength, low viscosity.  |
| High Strength<br>(For Radial Clearance <0.1 mm)  | AU00201                        | 648-32                          | Green                                   | 500                                 | -  | NA/ 26.5                                    | Up to 175°C                                | High temperature resistance. High strength.  |
| Repair And Maintenance<br>(For Radial Clearance >0.1mm-<br><0.5mm)                         | AU00202                        | 660-40                          | Grey                                    | Paste                               | -  | NA/ 23                                      | Up to 150°C                                | Fast curing. Large gap fill. High strength.  |
| Bonding:   | Single Comp                    | onent, rapid                    | fixturing solvent                       | l<br>free cvanoacrvla               | ite adhesive which                         | l<br>bond to nearly all m                   | aterials except ala:                       | 55.  |
| General Purose. Surface Insensitive.<br>Bond Porous, Acidic And                            | AU00176<br>AU00178             | 401-40<br>406-47                | Clear<br>Clear                          | 100<br>20                           |  | 18.5/ 22<br>18.5/ 22                        | Up to 80°C<br>Up to 80°C                   | Rapid fixturing. Bonds well to most plastics and inactive materials.   |
| Absorbent Substrates   | AU00181                        | 454                             | Clear                                   | Gel                                 | _  | 18.5/ 22                                    | Up to 80°C                                 |  |
| Low Bloom, Low Odour   | AU00385                        | 460                             | Clear                                   | 45                                  | -  | 17.5/ 18                                    | Up to 80°C                                 | Leaves parts cosmetically clean.<br>Elminates expensive ventilation system.  |
| Toughened  | AU00386                        | 480                             | Black                                   | 350                                 | -  | 18.5/ 26                                    | Up to 100°C                                | Excellent impact and shock resistance.<br>Good thermal resistance.   |
| Thermal Resistant  | AU00378                        | 4210/19758                      | Black                                   | 200<br>Gal                          | -  | NA/ 25                                      | Up to 120°C                                | Excellent thermal durability. Retains a high<br>percentage of bond strength even after long hours                              |
| Bond Multi-Substrates,<br>Especially For Metal   | AU00163<br>AU00387             | 4212/19766<br>496               | Black<br>Clear                          | Gel<br>125                          | -  | NA/ 27<br>18.5/ 25                          | Up to 120°C<br>Up to 80°C                  | expose of heat.<br>Rapid fixturing, particularly formulated for bonding<br>metal.  |

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## LOCTITE

#### Loctite Adhesive

| Stock Code | Mode No.       | Weight |
|------------|----------------|--------|
| AU00164    | Loctite 222-31 | 50ml   |
| AU00165    | Loctite 242-31 | 50ml   |
| AU00166    | Loctite 243-31 | 50ml   |
| AU00167    | Loctite 262 31 | 50ml   |
| AU00168    | Loctite 270 40 | 250ml  |
| AU00169    | Loctite 271    | 50ml   |
| AU00170    | Loctite 272-40 | 50ml   |
| AU00171    | Loctite 277-31 | 50ml   |
| AU00172    | Loctite 290-31 | 50ml   |
| AU00379    | Loctite 326    | 50ml   |
| AU00176    | Loctite 401-40 | 20gm   |

| Stock Code | Mode No.       | Weight |
|------------|----------------|--------|
| AU00179    | Loctile 406-40 | 20gm   |
| AU00181    | Loctite 454    | 20gm   |
| AU00385    | Loctite 460    | 20gm   |
| AU00386    | Loctite 480    | 20gm   |
| AU00182    | Loctite 495    | 20gm   |
| AU00387    | Loctite 496    | 20gm   |
| AU00183    | Loctite 510    | 50ml   |
| AU00184    | Loctite 515-31 | 50ml   |
| AU00186    | Loctite 542-31 | 50ml   |
| AU00187    | Loctite 545-31 | 50ml   |
| AU00188    | Loctite 565-31 | 50ml   |

| Stock Code | Mode No.       | Weight |
|------------|----------------|--------|
| AU00189    | Loctite 567    | 50ml   |
| AU00190    | Loctite 569-31 | 50ml   |
| AU00191    | Loctite 572-31 | 50ml   |
| AU00192    | Loctite 574    | 50ml   |
| AU00389    | Loctite 577    | 50ml   |
| AU00193    | Loctite 592-31 | 50ml   |
| AU00196    | Loctite 609-31 | 50ml   |
| AU00197    | Loctite 620-42 | 50ml   |
| AU00199    | Loctite 638-31 | 50ml   |
| AU00201    | Loctite 648-32 | 50ml   |
| AU00391    | Loctite 641    | 50ml   |











#### Plastic Steel® Liquid (B) 20057

A steel-filled liquid epoxy that can be cast over models for accurate detail reproduction when making holding fixtures, light-gauge forming dies and molds.

- hardens in about 1 hour
- can be machined to close tolerances
- low viscosity and high compressive strength
- ideal leveling compound for machinery and equipment qualifies under Mil Spec MMM-A-1754

#### Stainless Steel Putty (ST) 20058

Stainless steel-filled epoxy putty for patching, repairing and rebuilding stainless steel food processing equipment. - non-rusting - bonds to ferrous and non-ferrous metals - NSF certified for potable water applications authorised by USDA for use in federally-inspected meat and poultry plants - ideal for repairing food processing equipment, general cracks, dents and breaks in machinery or castings; and rebuilding parts, shafts, trays and chutes.



Stainless Steel Putty is ideal for making non-rusting repairs to stainless steel food processing equipment.

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NSK



making molds, patterns and holding fixtures



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food processing

equipment



#### Form-A-Gasket No. 1 AU00312

Improves gasket sealing power, adds reliability to rigid or permanent assemblies. Eliminates delays. Seals and repairs a wide range of gaskets. Fill in un-even flange surfaces. Seals pipe fittings, air ducts, boilers, plumbing connections and threaded assemblies. Dries fast, sets hard for sealing permanent or rigid assemblies. Easy to apply.

Temperature Range: -65°F to 400°F Pressure Rating: 0 to 5000 psi



AU00312

#### Form-A-Gasket No. 2 AU00313

Increases reliability of gasket seal on flexible assemblies. Save time. Cut costs. Seal and repairs gasket on flanges, cover plates steam lines, hose connections and threaded assemblies. Ideal for metal to metal assemblies. Dries slowly, sets to pliable film for sealing semi permanent or flexible assemblies. Applies easily. Removable.



Temperature Range: -65° F to 400° F Pressure Rating: 0 to 5000 psi Solvent Resistance: Water, di-ester type fluid, diesel fuels, gasoline, Iubricating oils, greases and aliphatic hydrocabons.

#### Prussian Blue AU00314

Speeds precision fit of close tolerance assemblies. Cuts time, labour. Saves time and labour by aiding preision fitting of machined assemblies. Locates high spots on bearings, valves gears and other close-tolerance components. Improper fitting high spots are visible as bright streaks Non-drying.



11 oz

## Indian Head Gasket

Shellac Compound No. 5 AU00315 Increases sealing reliability on wide range of gaskets. Save time. Reduces breakdowns. Seals metal gaskets and threaded connections for light duty service. Dries slowly, sets hard for sealing and reparing paper, felt, cardboard or rubber gaskets. Applies easily with brush or roller.



Temperature Range: -65°F to 350°F Pressure Rating: 0 to 100 psi



AU00281



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| 1000 Anti-Seize Compound – High Temperature Antiseize |  |  |
|---|--|--|
| Problem:  | Bolts, crews and nuts. Broken bolts and stripped threads owing to<br>uncontrolled bolt tension. Seizing of threads resulting in difficult<br>disassembly.  |  |
| Solution:   | Brush or spray 1000 Antiseize. Paste on the threads.   |  |
| Result:   | Tightening with controlled friction providing presice prestressing of<br>bolts for a given torque. Excellent resistance to corrosion and scal-<br>ing at high temperature. Easy disassembly.                                     |  |
| Physical form:  | Mineral oil-based paste containing solid lubricants, powered metals<br>and corrosion inhibitators. Colour metallic brown.  |  |
| Primary use:  | This product aids assembly and provides excellent release to ensure<br>non-destructive disassembly of fasteners.   |  |
| Specific<br>application:                              | Lubricating threaded nuts, bolts, studs and connectors exposed to<br>severe environments and requiring frequent tightening and disas-<br>sembly, lubricating rollers, oven chains, hinges, marine and outdoor<br>equipment.      |  |
| Special properties:                                   | Release and sealing properties, excellent ageing resistance, wide<br>service temperature range, protection against scaling and fretting<br>corrosion, doesn't affect torque values of threaded connections.<br>Contains no lead. |  |
| Temperature Range:                                    | -40°C to +1150°C   |  |
| Application Method:                                   | Clean thread and apply paste liberally with a brush or from the aerosol.   |  |
| Container Sizes:                                      | 00g tubes, 450g cans, 1kg cans, 5kg drums, 400ml aerosol<br>(non-CFG containing)   |  |
| DATASHEET NUMBER: 61-2905-01                          |  |  |
|   | Stock Code Size  |  |

#### G-n Plus Metal Assembly Paste

| Problem:                     | Plain bearings, bushings. overheating, scuffing and scoring during run-in.   |  |
|------------------------------|--|--|
| Solution:                    | Apple G-n Plus Paste onto the bearing surface.   |  |
| Result:                      | Solid lubricating film prevents scoring and overheating resulting in a properly run-in surface.  |  |
| Physical form:               | Paste form of molybdenum disulphide and other lubricating solides<br>in a mineral oil base. Black colour.  |  |
| Primary use:                 | This lubricating reduces wear on parts during running-in and new<br>parts assembly.  |  |
| Specific<br>application:     | Lubricating threaded connections, gears, chains, conveyor tracks,<br>lubricating during metal forming, general parts assembly, cams and<br>ways. |  |
| Special properties:          | Low co-efficient of friction, high surface coverage.   |  |
| Temperature Range:           | -18°C to +121°C; solids are effective from -73°C to +450°C.  |  |
| Application Method:          | Applying thin coating. Burnish into metal surface by rubbing with a lint-free cloth. Remove excess.  |  |
| Container Sizes:             | 50g tubes, 100g tubes, 250g cans, 500g cans, 1kg cans, 5kg<br>drums, 25kg drums and 50kg drums.  |  |
| DATASHEET NUMBER: 61-2941-01 |  |  |
|                              |  |  |



AU00399 1000/500gm AU00400 1000/1000gm

#### G Rapid Plus Spray Metal Assembly Spray

| Problem:            | Bearings, wheels, fiy-wheels, key ways, etc. Difficult and time<br>consuming assembly and disassembly. Scuffing, scoring or<br>component damage during press-fit. |
|---------------------|---|
| Solution:           | Pretreat with G Rapid Plus Paste.   |
| Result:             | Smooth press-fitting and easy dismantling – even after long service.<br>Protects against fretting corrosion.  |
| Physical form:      | Spray form of molybdenum disulphide and other lubricating solid in<br>mineral oil. Black colour.  |
| Primary use:        | This lubricant reduces wear on parts during running-in and new<br>parts assembly.   |
| Specific            | Lubricating threaded connections, gears, chains, conveyor tracks,   |
| application:        | lubricating during metal forming, general parts assembly, press-<br>fitting, cold extrusion, running-in of bearings, splines, gears, cams<br>and ways.            |
| Special properties: | low co-efficient of friction, high surface coverage.  |
| Temperature Range:  | -18°C to +121°C; solids are effective from -73°C to +450°C  |
| Application Method: | Supplied in aerosol spray can. Does not require burnishing.   |
| Container Sizes:    | 400ml aerosols (non-CFC containing)   |
| DATASHEET NUMB      | ER: 61-2902-01  |
|                     |   |
|                     | Stock Code  |







# Stock Code Size AU00309 360 Corborundun AU00310 361 Corborundun AU00311 362 Corborundun Stock Code Size AU00309 360 Corborundun AU00310 361 Corborundun Stock Code Stock Code Stock Code Stock Code AU00310 361 Corborundun Stock Code S

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### Food Grade Silicone Lubricant Great for Food Processing and

Food Handling applications.



#### Stock Code Size AU00410 10 oz. (284 grams)

Heavy-duty Silicone Lubricant • Meets FDA regulation for incidental food contact

• Meets USDA requirements for H1

• Dry film will not attract dust or dirt Provides excellent lubrication

• Ideal for releasing molded parts

#### • Fast evaporating Excellent for high temperature applications up to 500°F (260°C) • Does not contain chlorinated solvents • Petroleum base

#### Chainmate®Chain & Wire Rope Lubricant

ChainMate™ is designed to increase the life of chains and wire ropes. It will also lengthen reapplication intervals and reduce maintenance time.

Stock Code Size AU00412 11 oz. (312 grams)

- ChainMate™ Chain & Wire Rope Lubricant
- Fortified with molybdenum disulfide
  Increases the life of chains and wire ropes
- corrosior • Effective under extreme temperature and • Lubricant and corrosion protectant • High adhesion
- pressure ranges
- Deep penetration to the core of wire ropes

#### **Dry Film PTFE Lubricant**

Dry Film PTFE is a high Performance dry lubricant With strong bonding PTFE

#### AU00414

Stock Code Size AU00414 11 oz. (312 grams)

#### Dry Film PTFE Lubricant

- Dry film will not attract dust or dirt • Provides excellent lubrication
- Ideal for releasing molded parts
- Colorless. thin film
- Non-flammable



AU00412

• Use with guards in place to eliminate costly

• Reduces wear caused by friction and

• Excellent for high temperature applications

up to 500°F (260°C) Paintable

down time

- Does not contain silicones
- Does not contain chlorinated solvents

#### Force 842°<sup>TM</sup> Dry Moly Lubricant Force 842°<sup>TM</sup> is ideal for break-in lubrication applications and for preventing sliding or threaded parts from seizing together.



#### Force 842°™ Dry Moly Lubricant Fortified with molybdenum disulfide Provides a quick drying, thin film • For assembly and break-in lubrication Works under high temperatures -842°F (450°C) and pressures -100,000 psi

(6890 Bars)

- AU00411 Resists dust and dirt
- Prevents seizure of parts High adhesion
- Water and chemical resistant

## **Magnum Premium Lubricant With PTFE** Magnum is specially formulated with PTFE additives which minimize

friction and extend equipment life.



- Magnum Premium Lubricant With PTFE High performance lubricant with PTFE additives
- Ideal for both regular and extreme conditions
- Penetrates and protects metal against rust and corrosion

## **Copper Anti-Seize**

A low friction anti-seize lubricant for extra protection in extreme

environments.



#### Copper Anti-Seize

- Lead free • Protects against seizure, heat-freeze,
- galling, rust and corrosion • Ideal for use on stainless steel and for
  - joining dissimilar metals • Brushes easily



- Flash point of 175°F (79°C) Safe to use on most surfaces
- Displaces moisture
- Inverta Spray Valve allows one to spray in an upright or inverted position
- Chemica



- Prevents seizure up to 1800°F (982°C) Highly adhesive on both wet and dry surfaces
  - Cushions impact and shock loads • "Copper plates" surfaces to prevent
  - metal-to-metal contact
  - Will not run, drip or settle out • Copper color

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