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Product Description Sheet

Aviation Gasket Sealant

Maintenance, Repair & Operations, December 1998

PRODUCT DESCRIPTION

LOCTITE® Aviation Gasket Sealant is a dark reddish brown, viscous liquid with a characteristic alcoholic odor. It is a slow drying liquid that changes to a pliable, tacky film through solvent evaporation. It seals close fitting parts, machined surfaces and threaded connections in industrial, aircraft, and marine applications.

PRODUCT BENEFITS

- For close tolerance flanges
- Slow drying
- Flexible setting

TYPICAL APPLICATIONS

- Solid gasket dressing
- Close fitting machined surfaces
- Threaded connections
- Aviation engines
- Marine engines

DIRECTIONS FOR USE

1. Remove all previous material from mating surfaces.
2. For best results, clean and dry all surfaces with a residue-free solvent.
3. Remove cap. Coat with brush-top applicator.
4. When used as a gasket dressing, spread product with a spatula to a uniform film on one side of gasket and then position it on the assembly. Coat the second side of gasket and re-assemble. Slower drying formula increases work time.
5. Assembly is operational after 4 hours, full cure is effective after 24 hours.

For Cleanup

1. The product can be removed from metal surfaces with isopropyl alcohol. If the sealant has been dried for a long time or at high temperatures, cover the sealant with alcohol and allow to soften overnight.
2. Clean hands with hand cleaners.

PROPERTIES OF UNCURED MATERIAL

| | Typical Value |
|---------------------------|-----------------------------------|
| Chemical Type | Modified resin, fillers & alcohol |
| Appearance | Dark brown liquid |
| Odor | Alcoholic |
| Specific Gravity | 1.1 |
| Viscosity | Flow similar to SAE 10 Motor Oil |
| Flash Point, TCC, °C (°F) | 10 min (50 min) |

TYPICAL CURING PERFORMANCE

Loctite Aviation Gasket Sealant once applied, develops a hard, semi-flexible sealant by solvent evaporation. Dry times will vary with temperature, humidity and gap.

PERFORMANCE OF CURED MATERIAL

Withstands pressures to 5000 psi.

TYPICAL ENVIRONMENTAL RESISTANCE

| Temperature Resistance | Typical Values | |
|------------------------|----------------|--------------|
| Continuous, °C (°F) | -54 to 204 | (-65 to 400) |

Chemical / Solvent Resistance

The product retains effective properties in contact with water, ethylene glycol, gasoline, motor oil, transmission fluid and sea water.

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Ordering Information

| Part Number | Container Size |
|-------------|--------------------|
| 30517 | 0.25 pt. Brush Can |
| 30516 | 1 pt. Brush Can |

Storage

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° to 28°C (46° to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For specific shelf-life information, contact your local Technical Service Center.

Note

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