

MS-383A Connector Lubricant

Description

MS-383A contains a 6-ring polyphenyl ether lubricant that can help protect noble metal connector surfaces from wear, oxidation and tarnishing. It is a clear, slightly yellow, viscous liquid possessing exceptional resistance to degradation from heat, oxygen and radiation.

ADVANTAGES:

- Lubricates and protects multi-pin connectors
- Reduces insertion forces
- Greatly increases mating cycles (especially important where high pin counts are involved)
- Extends connector life by preventing corrosion and galling
- Forms no residue, even at high temperatures
- Is non-migrating-contains no silicones.
- Non ozone depleting
- Available with an UV (ultraviolet) indicator
- No interference in electrical continuity
- Nonflammable

The active ingredient of Connector Lubricant is a six (6) ring polyphenyl ether lubricant. This lubricant will help protect metal connector surfaces from excessive wear, when subjected to hundreds of mating cycles, thereby increasing the life of the connectors. It will also reduce insertion forces and provide corrosion protection in harsh environments.

Physical Properties: 6-ring Polyphenyl Ether

Surface Tension 54.2 dynes/cm @ 25°C

Evaporation Loss (ASTMD-972) 6.5 hrs.

400°F/204°C @ 760mm 0.04%

500°F/260°C @ 760mm 0.50%

500°F/260°C @ 140mm 1.10%

Oxidation – Corrosion wt.change of metals, mg

ASTM D 4636 (FTM 791-5307/5308) 600°F, 48h

Aluminum 0.04

Titanium 0.02

Steel 0.02

Copper 0.14

Silver 0.03

Thermal Stability 836°F/447°C

Electrical Properties: 6-ring Polyphenyl Ether

Dielectric Constant 60cy 1kc 10kc 100kc
(@ 77°F/25°C) 4.54 4.54 4.55 4.53

Resistivity @ 77°F/25°C @ 500VDC 1.56 x 10¹⁴ohm-cm

Dielectric Strength 43 Kv

Safety Data Sheet is available upon request.

1344-6N

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