



Texol Grease™ EIC

Technical Data Sheet

Texol Grease™ EIC

Electrical insulating compound grease

Product Description

Texol Grease EIC, grease like material containing an inert silica filler in combination with selected polydimethyl silicone fluids.

Applications and Uses

Texol Grease EIC a moisture proof seal for aircraft, automotive and marine ignition systems and spark plug connections, disconnection junctions in electrical wiring system also in electrical assemblies and terminals.

Texol Grease EIC used as a seal and lubricant for cable connectors, battery terminals, rubber door seals, switches and rubber and plastic O-rings and as a assembly lubricant for various metal-on-plastic and metal-on-rubber combinations.

Texol Grease EIC can be applied by hand, specially designed automated equipment, brushing or wiping. Certain designs of grease guns may seize up with silicone compounds; test prior to use.

Texol Grease EIC should not be applied to any surface which will be painted or finished. Such coatings may not adhere to the silicone-treated surface. If contaminated by a silicone coating, parts can be wiped or washed with solvent, washed with detergent, or immersed in an alcoholic potassium hydroxide solution and then rinsed in clear water before painting.

Advantages

- High dielectric strength
- Low volatility
- Moisture resistant
- Good thermal oxidation and chemical stability
- Meets requirements of SAE AS 8660
- Meeting requirements of FDA 21 CFR 175.300
- Retains its grease like consistency from -40°C to +200°C
- Odorless
- Highly water repellent
- Adheres readily to dry metals, ceramics, rubber, plastics and insulating resins

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Characteristics

Property (Unit)	EIC	Method
NLGI grade	2	DIN 51818
Base oil viscosity at 40°C	120	DIN 51366
Base oil viscosity at 100°C	17.2	DIN 51366
Colour	white / translucent	-
Melting point °C	none	ISO 2592
Relative density at 25°C g/ml	1.0	CTM 0022
Penetration unworked, mm/10	220	CTM 0191
Penetration worked 60, max mm/10	310	CTM 0191
Bleed, 30 hours/200°C, max, %	6.0	CTM 0033A
Evaporation, 30 hours/200°C, max, %	2.0	CTM 0033A
Service temperature range, °C	-40 to +200	CTM 0033A
Dielectric strength, 1.27 mm gap, V/mil	460	CTM 0114
Dielectric constant at 100 Hz	2.98	CTM 0112
Dielectric constant at 100 kHz	3.01	CTM 0112
Dissipation factor at 100 Hz	<0.0001	CTM 0112
Dissipation factor at 100 kHz	<0.0002	CTM 0112
Volume resistivity at 23°C, Ohm.cm	1.1×10^{15}	CTM 0249
Arc resistance, seconds	135	CTM 0171