

GENSIL 12 PASTE

DESCRIPTION **GENSIL PASTE 12** is a high performance silicone based, translucent paste, specially developed for applications in dielectric insulation, surface protection, release and specialized lubrication.

ADVANTAGES **GENSIL PASTE 12** has the following properties:

- Good dielectric properties
- Good water repellency and oxidation resistance
- A wide range of working temperatures (-50°C to 200°C)
- Good adherence to dry surfaces of metals, ceramics, rubbers and other insulating materials
- Extreme resistance to tracking and corona discharge
- Non-toxicity and very low volatility

CHARACTERISTICS

Appearance:	Translucent, light grey paste
Density at 25°C, g/cm ³ :	1.0
Penetration- unworked, mm/10 ⁻¹	240
Penetration- worked, mm/10 ⁻¹	310 Max
Bleed, 24 hours @ 200°C, %	10 Max
Weight Loss, 24hrs @ 200°C, %	2 Max
Volume Resistivity up to 200°C, Ohm-cm	1 X 10 ¹²
Dielectric Constant	2.90
Power Factor between 100HZ and 10 HZ	0.0025
Electric Strength, 1.25 mm gap, kV/mm	19.5

TYPICAL APPLICATIONS **GENSIL PASTE 12** is used in the following typical applications:

- Isolator protection
- To exclude and moisture and make surfaces water resistant (ignition systems, isolator switches, transmission and power equipment, cables and terminal insulators.
- To reduce oxidative hardening of plastic and synthetic rubber insulators
- To inhibit corrosion of magnesium and aluminium surfaces (ignition systems, TV aerials, battery terminals, cables and cable connections)
- To prevent sticking of the contacting machined surfaces and gaskets
- Sealing and potting compound in electronic gear

Victoria Lub Pty Ltd cannot know about every application for which the products are used nor their conditions of use. Victoria Lub Pty Ltd cannot be held responsible for the suitability of the products for a given use or a specific purpose. The information contained here can on no account be a substitute for the preliminary tests which are essential and which must be carried out in order to check the suitability of the product to each specific case.