

# HERSCHELL SILICONE PASTE



## TECHNICAL DATA SHEET

V.01/2024

1-700

**A greasy semi-translucent paste with good water repellent, non-melt and electrical insulation properties.**

### DESCRIPTION

Does not age when exposed to air. Exceptional thermal stability serviceable from -45°C to 200°C+.

Low vapour pressure gives long life at high altitude or in vacuum conditions.

Chemically stable, not attacked by sunlight, ultra violet light, rain, sleet, snow, petrol, paraffin, gasses, steam, acids or dew.

Non-toxic - lubricates guides, sideplates and tables of food textile and paper industry.

Antistatic, prevents tracking on high tension equipment and insulators.

Lubricating characteristics superior to mineral oil in very cold and very hot conditions and promotes free sliding of plastic, metal and wood components. (We have an alternative product for anti-friction bearings)

Non-stick, anti-adhesive separating properties for food, plastic moulding and metal diecasting.

Waterproofs textiles, canvas, wood surfaces and leather.

### TYPICAL APPLICATIONS

Prevents tracking on insulators.

Renewing the appearance of plastic and leather goods - Apply as polish.

Waterproof ignition systems of cars, boats and aircraft. Successfully used by motor racing rally drivers.

Anti static - Insulates and waterproofs

Reduces ice build-up in refrigerators and freezers.

Lubrication for installation of O rings and seals. It improves sealing qualities.

Machining lubricant for all types of plastic.

Softens, preserves and waterproofs leather.

Prevents ski bindings freezing.

Lubricates wood on wood, glass on wood, plastic to plastic, plastic on glass, rubber to rubber, making it very useful on sliding surfaces of modern machinery with combinations of materials.

Excludes water from electrical connectors e.g. water exposed high voltage connectors of draglines operating on open cast mines and in high humidity areas of

Tropical coast power lines where dew condenses on electrical equipment causing malfunction.

Outdoor house hold plugs, trucks & trailer brake and indicator lights connectors.

Caravan tent groove lubricant.

We are sure there are many more applications we have not listed on this data sheet.

### TYPICAL TECHNICAL CHARACTERISTICS

DESCRIPTION	METHOD	UNITS	RESULT
Dielectric strength kV/mm		kV/mm	> 20
Penetration unworked	ASTM D 217	0.1mm	300
Worked	ASTM D 217	0.1mm	480
Bleed @ 200°C for 30 Hours		% m/m	1.62
Penetration	ASTM D 217	0.1mm	#N/A

### PACKAGING

50g	1-700 7501
100g	1-700 7502
500g	1-700 7504
1kg	1-700 7505
5kg	1-700 7506
25kg	1-700 7509
50kg	1-700 7510

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

### ENVIRONMENT, HEALTH and SAFETY

500H Paste is non-toxic and is not a skin irritant.

If it is introduced into the eyes by rubbing with contaminated hands, temporary discomfort will result.

Rinsing the eyes with water will relieve the conditions.

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