

UltraSil 712

UltraSil 712 is a silicone grease prepared from special lithium thickening agent and fortified with polytetrafluoroethylene thickening agent for improved lubricity. This grease is recommended for metal-on-plastic and plastic-on-plastic applications. UltraSil 712 is thermally stable and has superior low temperature properties with excellent thermo-oxidative stability. Like other silicone lubricants, it is compatible with most plastics and elastomers.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			Silicone
Temperature Service Range (°C)			-50 to 150
GREASE CHARACTERISTICS			TYPICAL VALUE *
Thickener			Lithium
Color			White
Appearance			Smooth
NLGI Grade			0.5 to 1
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		330-360
	Worked	60X	330-360
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			200 min.
Oil Separation (ASTM D6184)	24h at 100°C		7% max.
Evaporation (CTM-1)	24h at 100°C		0.2% max.
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C		1.6%
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C		1b max.
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kgf		2.30mm
	Dynamic Coefficient of Friction (steel on steel)		0.393
Oxidation Stability (ASTM D942 / DIN 51808)	168h at 100°C		34 kPa
Low Temperature Torque (ASTM D1478)	-40°C	Start	85 g-cm
		Run 60 min	39 g-cm

*The values stated in this Product Data Sheet are Typical Values and **must not** be used as QC Specifications for this product. Please contact the Global Technical Services department for QC specifications for this product.