



Innovation and Experience at Work

UltraSil 712

UltraSil 712 is 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		1 to ½	
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

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