



UltraSil 3401

UltraSil 3401 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 3401 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	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		310-340
		60X	310-340
	Worked	10,000X	347
		100,000X	380
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		230	
Oil Separation (ASTM D6184)	24h at 100°C	5% max.	
Evaporation (CTM-1)	24h at 100°C	0.5% Max.	
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C	2.9%	
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C	1b max.	
Apparent Viscosity (Brookfield Viscometer)	T-C spindle 1rpm -40°C	1,020,000 cP	
	CP52 spindle 10 rpm 25°C	272,000 cP	
Specific Gravity (CTM-2)	25°C	0.97	
Oxidation Stability (ASTM D942 / DIN 51808)	168h at 100°C	17 kPa	
Low Temperature Torque (ASTM D1478)	-40°C	Start	865 g·cm
		Run 10 min	130 g·cm
		Run 60 min	78 g·cm
Roll Stability (ASTM D1831)	2h at ambient	5.85%	