

UltraSil 500

UltraSil 500 is a high performance grease based on a silicone oil. It can be used for lubrication of plastic/metal (i.e. aluminum) as well as plastic/plastic applications. UltraSil 500 was developed to meet fill-for-life requirements, especially at low temperature conditions in the OEM automotive sector (sunroof, window regulators, cables, actuators and others). It provides excellent water washout resistance as well as very good noise dampening properties. Special features of this grease: Excellent water resistant. Clear color (best choice for the use of tracks and other visual parts). Compatible with almost all types of plastic and elastomers. Very good resistance against dust.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *
Type		Silicone
Temperature Service Range (°C)		-50 to 200
GREASE CHARACTERISTICS		TYPICAL VALUE *
Thickener		Silica
Color		Clear
Appearance		Smooth
NLGI Grade		1.5
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	285-315
	Worked	60X 285-315
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		260 min.
Oil Separation (ASTM D6184)	24h at 100°C	2% max.
Evaporation (CTM-1)	24h at 100°C	0.5% max.
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 41°C	0.70%
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 79°C	1.31%
Specific Gravity (CTM-2)	25°C	0.98
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	15 min, 1200 RPM, 25psi, 75°C, 40kg	1.27mm
	Dynamic Coefficient of Friction (steel on steel)	0.300
Apparent Viscosity (Brookfield Viscometer T-C spindle 1 rpm)	-40°C	1,500,000 cP

This product may turn yellow in color over time in the application, but the color change will have no impact on performance.

*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.