



## Innovation and Experience at Work

# UltraSil 1101

UltraSil 1101 is a silicone dampening grease prepared from polytetrafluoroethylene thickening agent. This grease is useful for plastic on plastic or plastic on metal applications and was formulated for use in window regulators. This grease provides effective dampening at high and low temperatures and has excellent with most plastics and elastomers. The formulation allows for lower cost than other PTFE thickened dampening greases.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *	
<b>Type</b>		Silicone	
<b>Temperature Service Range (°C)</b>		-40 to 150	
<b>Neutralization Number</b> (ASTM D664)		0.03 mgKOH/g	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
<b>Thickener</b>		PTFE	
<b>Color</b>		White	
<b>Appearance</b>		Smooth	
<b>NLGI Grade</b>		1 ½	
<b>Penetration</b> (ASTM D217 / DIN 51804-T1)	Unworked	290-310	
<b>Dropping Point (°C)</b> (ASTM D2265 / DIN ISO 2176)		260 min.	
<b>Oil Separation</b> (ASTM D6184)	24h at 121°C	05% max.	
<b>Evaporation</b> (CTM-1)	24h at 100°C	1% max.	
<b>Water Washout</b> (ASTM D1264 / DIN 51807-T2)	60 min at 79°C	2%	
<b>Apparent Viscosity</b> (Brookfield Viscometer, 1 rpm)	T-C spindle -40°C	7,000,000 cP	
	T-A spindle 25°C	935,000 cP	
	Change from 25°C to -35°C	70%	
<b>Specific Gravity</b> (CTM-2)	25°C	1.07	
<b>Oxidation Stability</b> (ASTM D942 / DIN 51808)	168h at 100°C	35 kPa	
<b>Low Temperature Torque</b> (ASTM D1478)	-40°C	Start	780 g-cm
		Run 60 min	182 g-cm

### Engineered Custom Lubricants

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