



Innovation and Experience at Work

UltraSil 1104

UltraSil 1104 is high viscosity silicone, polytetrafluoroethylene thickened, dampening grease with excellent low temperature characteristics.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *	
Type		Silicone	
Temperature Service Range (°C)		-50 – 150	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
Thickener		PTFE	
Color		White	
Appearance		Smooth	
NLGI Grade		2	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	277	
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		>260	
Oil Separation (ASTM D6184)	24h at 100°C	0%	
Evaporation (CTM-1)	24h at 100°C	0%	
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C	0.16%	
	60 min at 80°C	3.5%	
Apparent Viscosity (Brookfield Viscometer, 1 rpm)	-40°C, T-C Spindle	1,160,000 cP	
	25°C, T-A Spindle	870,000 cP	
Specific Gravity (CTM-2)	25°C	1.21	
Low Temperature Torque (ASTM D1478)	-40°C	Start	416 g-cm
		Run 10 min	384 g-cm
		Run 60 min	358 g-cm

This product is a PTFE thickened silicone grease. Your dispensing equipment should be chosen carefully when dispensing this product, as the combination of air entrainment and high pressure buildups within your choice of dispensing equipment may cause oxidation and decomposition of this product. We recommend incorporating larger diameter pipes and pressure release mechanisms in the design of your dispensing equipment, pumping this product through your equipment at the lowest possible pressure setting and avoiding rapid pressure increases at any point within your dispensing equipment set up. You may want to contact your application equipment manufacturer for further specifications.

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