

Data Sheet

TorrLube SH2 Grease

Typical Properties of TorrLube[®] SH2 Grease

SH2 Grease is a synthetic hydrocarbon lubricant formulated for industrial applications requiring lubricating grease with wide temperature capability. Recommended temperature range: -54 to 150°C. Attributes of SH2 Grease include:

- Low Temperature Serviceability
- Excellent Thermooxidative Stability
- Compatible with Plastics and Elastomers

Typical Grease Properties:	Method	Result
Base Fluid	Report	Synthetic Hydrocarbon
Thickener	Report	Lithium Complex
Color	Visual	Tan
Appearance	Visual	Smooth
Po	ASTM D217	269
P60	ASTM D217	270
P10K	ASTM D217	325
Dropping point	ASTM D2265	>260°C
Oil Separation, 24h at 100°C	ASTM D6184	5.71%
Evaporation, 24h at 100°C	CTM	0.79%
Copper Corrosion, 24h at 100°C	ASTM D4048	1b
Apparent Viscosity, -40°C	CTM	3.3 x 10 ⁶ mPa.s
Pressure Oil Separation	ASTM D1742	0.2%
Oxidation Stability, 210°C	ASTM D5483 ¹	51.7 minutes
Density, 25°C	CTM	0.85 g/cc
Volatility, N ₂	TGA	t _{1/2} > 300°C
Water Washout, 40°C	ASTM D1264	0.0 %
Fretting Wear	ASTM D4170	1.5 mg
Rust Prevention	ASTM D1743 ²	Pass
Wear Prevention	ASTM D2266	0.419 mm
Low Temperature Torque, -54°C	ASTM D1478	5606 g-cm starting 1327 g-cm running

1. Test was modified by using a 60°C/minute temperature ramp rate
2. 5 % Synthetic Sea Water

TGA is thermogravimetric analysis and is used to determine the temperature at which rapid lubricant weight occurs under an inert atmosphere.