

ALL_RAIL S - Switch Plate Lube

ALL_RAIL S is a semi-fluid synthetic switch plate lubricant specially formulated to reduce wear and function at low temperatures. The lubricant is fortified with antiwear, extreme pressure, anti-corrosion, and anti-oxidation additives. The recommended temperature range is -54 to 150°C. Attributes of 627 include:

- Low Temperature Serviceability
 - Thermo-oxidative Stability
 - Wear Reduction

Typical Properties	Method	Result
Base Fluid	Report	Synthetic Ester Oil
Thickener	Report	Calcium Sulfonate Complex
Color	Visual	Tan
Appearance	Visual	Semi-Fluid
Viscosity, 25°C	CTM-4	218.5 mPa·s
Viscosity, 40°C	CTM-4	126.1 mPa·s
Density, 25C	CTM-2	0.99 g/cc
Oxidation Stability, 210°C in pure, dry oxygen, 500 psi	PDSC, ASTM D5184 modified	62.6 minutes
Apparent Viscosity, -48°C T-C Spindle, 1 RPM	CTM-4	350,000 cP
Low Temperature Rheogram	CTM-4	Figure 1
Four Ball Wear, 40 kgf, 75°C, 1200 rpm, 1h	ASTM D2266	0.66 mm avg scar
Volatility, Temp at 5% Mass Loss	TGA	312°C
Flash Point	ASTM D92	271°C

Specifications:

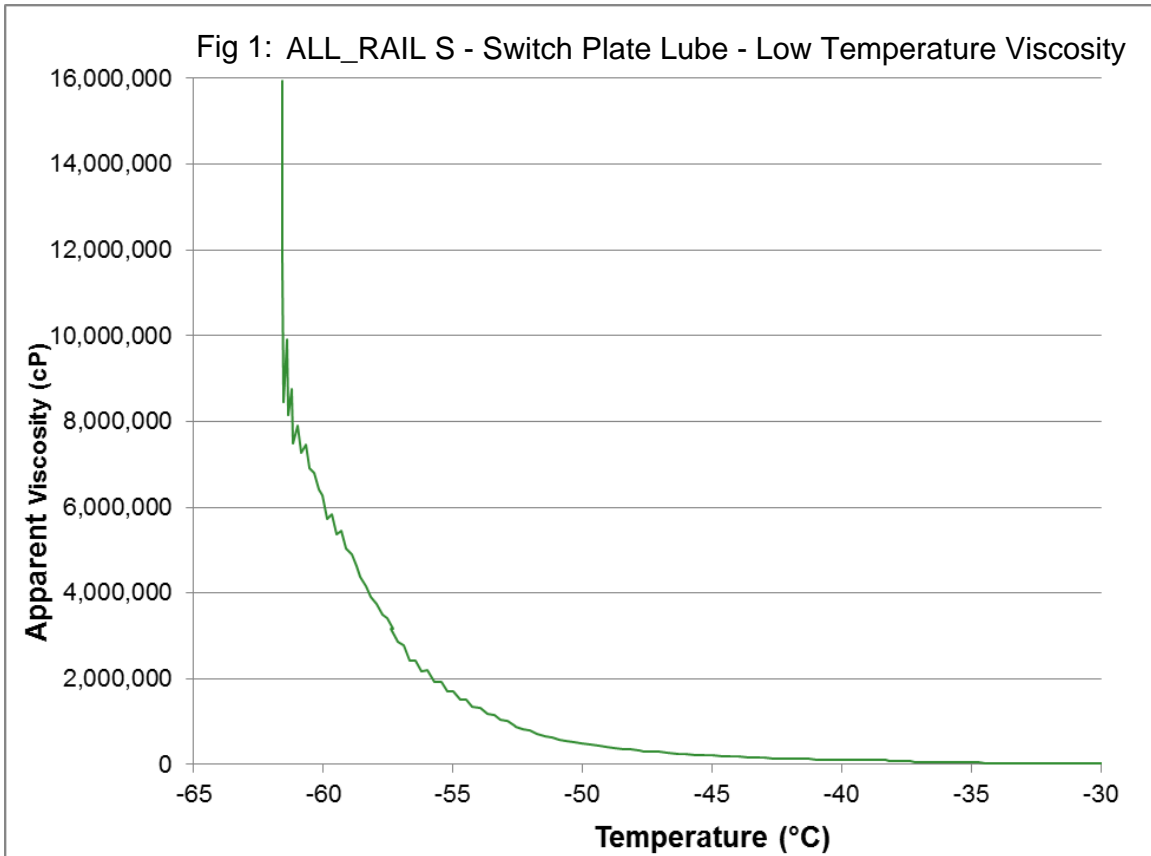
The typical properties reported on this technical data sheet should not be used for preparing specifications on this grease. Please contact TS&E for assistance in preparing a specification.

Safety:

If fumes are generated at elevated temperatures, ventilation is required. See the Safety Data Sheet for additional safety related information on the grease.

Packaging:

Container	Metric	US Standard
1 Gallon Plastic Jug	3.6 kg	8 lb
5 Gallon Plastic Pail w/flex spout	18 kg	40 lb



Disclaimer:

Since we are unable to anticipate or control the conditions under which this information and our products may be used, we cannot guarantee the applicability of this information or suitability of our products in any specific application. Moreover, the products are sold without warranty, expressed or implied. Statements concerning the possible use of our products are not intended as recommendations to use our product in the infringement of any patent.

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