

Introduction

Rodutherm 717-68 is a two-stage hydrocracked mineral ammonia refrigeration lubricant formulated for industrial cold storage and food processing refrigeration service. Its ultra-pure base fluids deliver exceptionally low lubricant carryover and excellent low-temperature fluidity for improved oil return and thermal transfer efficiency. OEM approved by GEA, Mayekawa (Mycom), Howden, and Bitzer, and compliant with DIN 51503-KA. Also available as 717-68-SC (with seal conditioner) and 717-68-FG (food grade).

Applications, Gases & Benefits

Applications	Gases	Benefits
▶ Industrial ammonia refrigeration ▶ Cold storage and freezer facilities ▶ Food and beverage processing	▶ Ammonia R-717 (down to -45 °C) ▶ OEM approved: GEA, Mycom, Howden, Bitzer ▶ DIN 51503-KA compliant	▶ Exceptionally low lubricant carryover ▶ Excellent low-temperature fluidity and oil return ▶ Improved thermal transfer efficiency ▶ Excellent wear and corrosion protection ▶ Extended service life ▶ Available as -SC (seal conditioner) and -FG (food grade)

Technical Specifications

Property		717-68	717-68-SC	717-68-FG
Viscosity @ 40 °C	cSt	62	61.5	62
Viscosity @ 100 °C	cSt	8.61	8.52	8.55
Viscosity Index		110	109	111
Density @ 15 °C	g/cm ³	0.85	0.85	0.85
Pour Point	°C	-42	-42	-42
Flash Point	°C	248	247	246
Colour (ASTM 1500)		0	0	0

NOTE Values in this Technical Data Sheet are typical and do not constitute a specification. Manufacturing specifications are available on request. Routine oil analysis is recommended. Specifications are subject to change due to formulation or raw-material updates; always verify that this TDS is the most current version.

Rodutherm 717-68 — Technical Data Sheet The data presented is typical and subject to normal manufacturing variation. For product safety information, please refer to the Safety Data Sheet.