

RODUTHERM R-SP (temp range -28°C - 280°C)

Synthetic Heat Transfer Fluid with excellent thermal stability

Overview

Rodutherm R-SP is a low-viscosity synthetic alkylbenzene with the following characteristics:

- ◆ Very low pour point
- ◆ Low evaporation loss
- ◆ Narrow distillation range
- ◆ Good thermal stability: antioxidant performance comparable to same-viscosity PAO when antioxidants are added
- ◆ Excellent hydrolytic stability
- ◆ Very good additive solubility; often replaces ester base oils in synthetic engine oils or industrial lubricants

Recommended Applications

Rodutherm R-SP offers excellent lubricating performance as a base oil for various lubricants. It is particularly suitable for formulating industrial lubricants that require high stability under extreme conditions.

- ◆ Internal combustion engine oils
- ◆ Energy-saving, long-life automotive gear oils and heavy-duty transmission fluids
- ◆ High-temperature gear oils and circulating oils
- ◆ High-efficiency and high-load worm gear oils
- ◆ Refrigeration compressor oils under demanding conditions
- ◆ Various open and closed extreme-pressure gear oils
- ◆ Industrial hydraulic oils
- ◆ Synthetic heat transfer fluids

Synthetic oils formulated with Rodutherm R-SP provide the following benefits:

- ◆ Extended oil change intervals
- ◆ Improved fuel economy / energy savings
- ◆ Enhanced wear protection
- ◆ Wide operating temperature range

Typical Properties

PROPERTY		TYPICAL VALUE
Appearance		Transparent
Density @20°C		846.2 kg/m ³
Pour point		<-55°C
Kinematic Viscosity	cst@40°C	38.24 cSt
	cst@100°C	5.7 cSt
Flash point (O.C.)		240°C
Viscosity Index		82
Moisture Content		≤100 ppm
Distillation	5%	427°C
	95%	515°C