

SpeedTherm R320 / Heat Transfer Oil Max 320

SpeedTherm R320 is an industrial oil that prepared for use in non-pressurized closed circulation heat transfer system operating temperature up to 320 °C.

Usage

SpeedTherm R320 is used in closed heat conductive systems operating without pressure. It is used safely up to an operating temperature of 315 °C in closed systems and 200 °C in open systems.

Features

Maximum Performance Thermal Stability: Mineral oils are exposed to two types of degradation at elevated temperatures. 1) Cracking; degradation caused by the breakdown of the carbon chains of hydrocarbon molecules. 2) Oxidation; oxidation by combining with oxygen in the air at high temperatures. SpeedTherm R320 is manufactured using a base oil of a quality that can withstand both of these effects.

Low Evaporation Percentage: The evaporation rate is low.

Operating Performance at Low Temperature: Operating performance at low temperatures is good.

Technical Specifications

ISO Class	-	32	46
*Density @15 °C, g/ml	ASTM D 4052	0.873	0.881
*Kinematic Viscosity @40°C, cSt	ASTM D 445	32	46
*Viscosity Index	ASTM D 2270	101	100
*Flash Point, °C	ASTM D 92	222	232
*Pour Point, °C	ASTM D 97	-15	-12

**Data given above are typical properties and may vary slightly.*

Revision Number

12.11.2025 / REV08