

December 4, 2020

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Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

HEAT TRANSFER FLUID

THERMOYLE P SERIES

Summit Thermoyle P Series oil is designed to meet the tough thermal demands placed on high temperature heat transfer mediums operating at a bulk temperature up to 550° F. The hydrogenated base stock is well suited to combat the problems of carbon formation on heated surfaces and decreased fluid life as is commonly encountered with conventional petroleum-based fluids without exhibiting the hazardous characteristics found in aromatic heat transfer fluids.

Physical Properties

| PRODUCT | 20P | 30P | 46P | 100P | 460P |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|
| ISO Grade | 22 | 32 | 46 | 100 | 460 |
| Viscosity | | | | | |
| @ 40°C, cSt | 20 | 30 | 42.7 | 100 | 475 |
| @ 100°C, cSt | 4.2 | 5.1 | 6.5 | 11.3 | 31 |
| Viscosity Index | 114 | 96 | 102 | 99 | 95 |
| Flash Point, °F (°C) | 390 (199) | 425 (218) | 460 (238) | 495 (257) | 580 (305) |
| Pour Point, °F, (°C) | 10 (-12) | 10 (-12) | 10 (-12) | 10 (-12) | 16 (-9) |
| Autoignition, °F, (°C) | 631(333) | 645(341) | 665(352) | 718(381) | 756(402) |
| Sulfur, ppm | <10 | <10 | <10 | <10 | 1500 |
| Conradson Carbon,% | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Specific Gravity 60/60 °F | 0.855 | 0.858 | 0.855 | 0.875 | 0.899 |
| Initial Boiling Point, °F (°C) | 609 (321) | 608 (320) | 639 (337) | 636 (336) | 634 (335) |

Shelf Life: Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.