

AP THERMOFLOW

HEAT TRANSFER OILS

DESCRIPTION

AP THERMOFLOW are a range of heat transfer oils formulated with highly refined paraffinic base oils and additives. These oils, with high flash point and low volatility, exhibit good oxidation and thermal stability.

BENEFITS

- Minimum sludging and fouling
- Improved oxidation and thermal stability
- Excellent heat transfer property
- Extended oil life

APPLICATION

ISO 22 is a low viscosity oil used in closed circulatory systems having bulk oil temperatures up to 250°C.

ISO 32 & 46 are for use in enclosed systems with oil temperatures up to 270°C to 300°C.

ISO 68 HT with high thermal stability are recommended particularly for thermal tanks with oil temperatures up to 320°C and film temperatures of 340°C.

TYPICAL SPECIFICATION

| ISO Grade | | 22 | 32 | 46 | 68 |
|-----------------------|------------|-----|-----|-----|-----|
| Kinematic Viscosity, | | | | | |
| @ 40°C, cSt | ASTM D445 | 24 | 30 | 46 | 70 |
| @ 100°C, cSt | ASTM D445 | 4.6 | 5.4 | 6.7 | 8.8 |
| Viscosity Index | ASTM D2270 | 110 | 105 | 100 | 98 |
| Flash Point (COC), °C | ASTM D92 | 200 | 220 | 225 | 230 |
| Pour Point, °C | ASTM D97 | -15 | -12 | -12 | -12 |

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Due to continuous research and development, the above typical data is subject to change without notice. The information should not be regarded as legally binding assurance of any properties or suitability for any particular application.