

product data sheet

VARTHERM RANGE

Heat transfer oils

VARTHERM heat transfer oils are high quality fluids based on highly refined mineral oils

VARTHERM heat transfer oils are suitable for use in heat transfer systems requiring a heat transfer fluid in the liquid phase. In operating systems the product will perform within temperature ranges between -5°C and 360°C

Features and Benefits

High quality solvent refined mineral oils with low aromatic content

Resistant to oxidation

Good stability

Low vapour pressure

Good heat transfer properties

Typical Properties

ISO Grade			22	32	46	68	100
Parameter	Unit	Method					
Kinematic Viscosity							
KV40	mm²/Sec	ASTM-D445	22.00	32.00	46.00	68.00	100.00
Viscosity index	-	ASTM-D2270	95	95	95	95	95
Density @ 15.5°C	g/cm³	ASTM-D4052	0.848	0.848	0.850	0.882	0.884
Flashpoint	°C	ASTM-D92	190	204	206	208	212
Pour point	°C	ASTM-D97	-12	-9	-9	-9	-9
Carbon Residue	% WT	ISO 10370	<0.05	<0.05	<0.05	<0.05	<0.05
Specific Heat at 15°C	kJ/kg, °C	ASTM D 2766	~ 1.86 (ISO32)				
Thermal Conductivity@15C	W/m°C	ASTM D2717	~ 0.133 (ISO32)				

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Varol Metalworking		Varol Machine Lubricants	
Varcut	Neat cutting oils, high performance, extensive range of viscosities	VARTHERM Viscosity 32 - 320	Slideway
Varform	Comprehensive range of neat forming oils, including water extendable versions and vanishing oils	Varmulti Viscosity 32 - 680	Multilube - Slideway, Gear, Hydraulic
Varclean	Aqueous based wash fluids, surface cleaners and solvent degreasers	Vargear Viscosity 68 - 460	Industrial Gear
Varcool & Vargrind	Comprehensive range of high performance water soluble fluids. Low, medium, high oil content and synthetics	Varpress Viscosity 5 - 150	Hydraulic oil range covering zinc containing, zinc free and high VI