



**PRISTA® MTL**

**PRISTA OIL**

## ■ DESCRIPTION

**PRISTA® MTL** heat transfer oils are formulated from highly refined paraffinic-naphthenic narrow-cut base stocks blended with an appropriate highly efficient additive package, imparting excellent very high thermal and oxidation stability to the finished products. Available in the following ISO 3448 VGs: 32, 46, 68, 100 & 150.

## ■ APPLICATION

**PRISTA® MTL 32 & PRISTA® MTL 46** oils are designed for use as heat transfer media in indirect heating systems and **PRISTA® MTL 68, PRISTA® MTL 100 & PRISTA® MTL 150** are used as heat transfer agents in forced circulation systems with indirect heating. The operating temperatures of the oils are as follows:

### **PRISTA® MTL-32**

- |                                |               |
|--------------------------------|---------------|
| - Maximum oil film temperature | - up to 320°C |
| - Maximum bulk oil temperature | - up to 290°C |

### **PRISTA® MTL-46 & 68**

- |                                |               |
|--------------------------------|---------------|
| - Maximum oil film temperature | - up to 300°C |
| - Maximum bulk oil temperature | - up to 270°C |

### **PRISTA® MTL-100 & 150**

- |                                |               |
|--------------------------------|---------------|
| - Maximum oil film temperature | - up to 340°C |
| - Maximum bulk oil temperature | - up to 310°C |

## ■ TECHNICAL DESIGNATION:

ISO-L-QC- 32\* according to ISO 6743/12

(\*The figure stands for the viscosity value at 40°C)



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## ■ SPECIFICATIONS

DIN 51522

## ■ TYPICAL CHARACTERISTICS

№	PARAMETER	TEST METHOD	TYPICAL VALUE				
			32	46	68	100	150
1.	Density at 20°C, g/cm <sup>3</sup>	EN ISO 3675	0.869	0.873	0.881	0.883	0.889
2.	Kinematic viscosity at 40°C, mm <sup>2</sup> /s	ISO 3104	32	46	68	100	150
3.	Viscosity index	ISO 2909	95	95	95	93	92
4.	Flash point, COC, °C	ISO 2592	215	225	235	245	250
5.	Pour point, °C,	ISO 3016	-10	-10	-6	-6	-5
6.	Steel corrosion, St45	BDS 5747	pass				
7.	Carbon residue, %	ISO 6615	0.01	0.02	0.02	0.03	0.04

INDUSTRIAL OILS

**Remark:** The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.