



## Perfecto HT 5

Heat transfer oil

### Description

Castrol Perfecto HT 5 is based on a solvent refined, high viscosity index mineral oil specially selected for its high thermal and oxidation stability.

### Application

Perfecto HT 5 is primarily intended for use in enclosed and sealed systems. It can also be used, at lower temperatures, in systems open to the air.

Perfecto HT 5 has a low viscosity which is essential when operating under turbulent flow conditions to achieve very high heat transfer rates.

### Features and Benefits

- Excellent heat transfer properties
- High operating temperature capability
- Minimises deposits in heat exchangers
- Maintains heat transfer efficiency

## Technical Data

Name	Method	Units	Perfecto HT 5
Relative Density at 15°C	ASTM D4052	g/ml	0.868
Kinematic Viscosity at 40°C	ASTM D445	cSt	30.5
Kinematic Viscosity at 100°C	ASTM D445	cSt	5.28
Viscosity Index	ASTM D2270	-	106
Pour Point	ASTM D97	°C	-9
Closed Flash Point	ASTM D93	°C	210
Open Flash Point	ASTM D92	°C	220
Fire Point	ASTM D92	°C	249
Colour	IP 196	-	2.0
Auto-ignition Temperature	ASTM D1255	°C	357
Neutralisation Value	IP 1A	mgKOH/g	<0.05
Specific Heat at 15°C	-	kJ/kg, °C	186
Maximum Film Temperature	-	°C	>340
Thermal Conductivity at 15°C	ASTM D1160	W/m°C	0.133
Distillation Range Initial Boiling Point	-	°C	343
Distillation Range 10% distilled at	-	°C	390
Distillation Range 90% distilled at	-	°C	454
Thermal Expansion Co-efficient per °C at 15°C	-	-	0.00077

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

## Packaging and Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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