

Heat Transfer Oil

Description

Transcal is a high quality mineral oil possessing low vapour-pressure characteristics as well as high levels of thermal stability, specific heat and thermal conductivity.

Transcal is recommended for non-pressurised, closed liquid-phase heating systems operating at bulk-fluid temperatures up to 300 °C (Transcal 32) and 280°C (Transcal 5) , and a maximum film temperature of 320°C (ISO 32) and 250°C (ISO 5).

Features and benefits

- Excellent heat-transfer properties and consistently high heat-transfer performance.
- Ease of circulation even when a system is started from cold.
- Contains all essential characteristics to ensure a long and trouble free service.

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 damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Product and environmental safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	TRANSCAL 5	TRANSCAL 32
Color	-	Visual	Amber	Amber
Relative Density at 15°C	g/ml	ASTM D4052	0.801	0.851
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	5.1	30
Kinematic Viscosity at 100°C	mm/s	ASTM D445	1.7	5.1
Viscosity Index	-	ASTM D2270	-	96
Open Flash Point	°C	ASTM D92	118	216
Pour Point	°C	ASTM D97	-42	-18
Ash (Oxide)	% m/m	ISO 6245	< 0.01	< 0.01

Note:

1- The Typical characteristics are given as a guide only and may vary according to latest production according to ISO.