

Heat Transfer Oil

Description

DAYAN TRANSCAL 32 is a high quality mineral oil possessing low vapour-pressure characteristics as well as high levels of thermal stability, specific heat and thermal conductivity.

DAYAN TRANSCAL 32 is recommended for non-pressurised, closed liquid-phase heating systems operating at bulk-fluid temperatures up to 320 °C, and a maximum film temperature of 340°C (in systems where the bulk temperatures are up to 343 °C).

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 characteristics to ensure a essential long life.
- Trouble free service.

Application

- Non pressurised , close liquid-phase heating system

Storage and Handling

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. 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 32
Colour	-	Visual	Amber
Relative Density at 15°C	g/ml	ASTM D4052	0.86
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	30
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	5.4
Viscosity Index	-	ASTM D2270	102
Open Flash Point	°C	ASTM D92	216
Pour Point	°C	ASTM D97	-18
Ash (Oxide)	% m/m	ISO 6245	<0.01

Note:

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