

ACEITE TERMICO 3 SYNTHETIC THERMAL FLUID

DESCRIPTION

Synthetic thermal fluid specially designed to obtain a perfect heat transmission in closed circuits.

APPLICATIONS

Recommended for closed circuits of thermal fluid working at temperatures up to 310°C, for example:

- Interchangers of chemical industries.
- Heat exchangers in industries of asphalt.

- Solvent evaporators.
- Stenter frames in textile industries.

PROPERTIES

- High thermal stability, which minimize losses by evaporation and give low mud formation.
- Good heat transmission properties.

QUALITY LEVEL

- Heat transfer fluid according to DIN 51.522 – Q.
- ISO 6743/12 – Class L-QC

TECHNICAL CHARACTERISTICS

	Method	Typical values			Un.
Appearance	-	Yellow transparent			-
Density at 15 °C	ASTM D 1298	0,88			gr/cm3
Viscosity at 40 °C	ASTM D 445	19			cSt
Flash point	ASTM D 92	180			°C
Pour point	ASTM D 97	- 40			°C
Specific heat	-	40°C	240°C	320°C	Kj/kg.K
		2,02	2,62	2,86	
Coefficient of thermal conductivity	-	40°C	240°C	320°C	W/m.°C
		0,13	0,086	0,068	
Temperature range in closed circuit	-	- 20 a + 310 +340			°C
- bulk temperature					
- film temperature					
Thermal expansion coefficient	-	0,001			-

Volume expansion, calculation:

$$\text{Volume increase} = (\text{Thermal expansion coefficient.}) \times (\text{Initial Volume}) \times (\text{Temperature increase})$$

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COGELSA is not liable for damages caused by improper use of the product.