

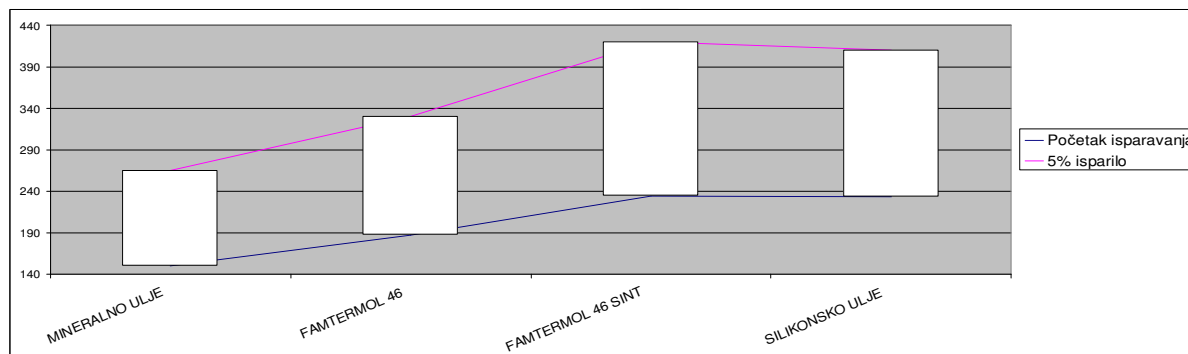
Heat transfer oils ISO L-QA/QC

FAMTERMOL SINT

FAMTERMOL SINT is fully synthetic thermal fluid, produced from high quality ester, non-toxic base oils and special additives. FAMTERMOL SINT oil contains high temperature antioxidants and components that prevent cracking and build up of deposits as a result of the high temperatures in which they are applied and which prevent the thermal decomposition of the product.

ADVANTAGES

- High flash point and excellent thermal stability ensure safe operation, no coke residue is generated and the hazard of fire in closed circulating systems is reduced;
- Excellent chemical and oxidation stability;
- Reduced volatility. Lubricants based on mineral oil, especially at high operating temperatures, have the tendency to evaporate, the viscosity increases and the product becomes cloudy and thickens. By using synthetic oils these problems are largely eliminated;
- Excellent anti-corrosion protection;
- Good hydrolytic stability and compatibility with mineral oils.



TGA-analysis

QUALITY LEVEL

ISO 6743-12

DIN 51 522

APPLICATION

FAMTERMOL SINT is used as heat transfer medium in heating systems:

- in the rubber manufacturing industry;
- in the plastics manufacturing industry;
- in asphalt bases;
- in chemical industry;
- in pharmaceutical industry;
- in textile industry;

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- in duplicators and other vessels for thermal processing of food products where there is no possibility of oil contact with food products;
- in dryers;
- in other industries where heating systems are needed;
- Especially recommended as heat transfer medium in open heating systems in laboratories where the reduced volatility is required, i.e. safer operation.

The volume of thermal oil at the temperature of 300°C is about 20% higher than at room temperature. The amount of oil in the heating vessels should be adjusted to this condition.

TYPICAL CHARACTERISTICS

	FAMTERMOL 46 SINT	METHOD
Density at 15°C, g/ml	0,85	SRPS EN ISO 3675
Kinematic viscosity at 40°C, mm ² /s	46	SRPS ISO 3104
Kinematic viscosity at 100°C mm ² /s	8,9	SRPS ISO 3104
Viscosity index	178	SRPS ISO 2909
Flash point, °C, min	280	SRPS EN ISO 2592
Pour point, °C	-18	SRPS ISO 3016
Cu corrosion, 3h/100°C, degree	1	SRPS EN ISO 2160
Coefficient of thermal expansion, 1/°C	0.00076	ASTM D 1903
Maximum recommended temperatures of application, °C	220	
- open system	320	
- closed system		

STORAGE

Store in covered area. If stored outdoors, it is necessary to place the drums in a horizontal position to prevent the accumulation of water on the surface of the drum. Do not store at elevated temperatures or in locations exposed to direct sunlight.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

Drums 180kg

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.