

## *Heat transfer oils* *ISO L-QA/QC*

# **FAMTERMOL**

FAMTERMOL oils are produced from solvent neutral base oils and additives. These oils contain high temperature antioxidants and components that prevent cracking and deposit formation as the consequence of high temperatures in which they are applied and which prevent the thermal decomposition of the product.

### ADVANTAGES

- High flash point and low volatility provide its safe operation without the danger from fire in closed circulation systems;
- High thermal and oxidation stability.

### QUALITY LEVEL

ISO 6743-12

DIN 51 522

### APPLICATION

FAMTERMOL 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;
- 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;

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 |         |         | METHOD           |
|---|-----------|---------|---------|------------------|
|   | 32        | 46      | 100     |                  |
| Density at 15°C, g/ml                               | 0,87      | 0.87    | 0,88    | SRPS EN ISO 3675 |
| Kinematic viscosity at 40°C, mm <sup>2</sup> /s     | 32        | 46      | 100     | SRPS ISO 3104    |
| Kinematic viscosity at 100°C mm <sup>2</sup> /s     | 5,4       | 6,7     | 11,0    | SRPS ISO 3104    |
| Viscosity index                                     | 100       | 95      | 90      | SRPS ISO 2909    |
| Flash point, °C                                     | 200       | 215     | 220     | SRPS EN ISO 2592 |
| Pour point °C                                       | -24       | -18     | -15     | SRPS ISO 3016    |
| Cu corrosion, 3h/100°C, degree                      | 1         |         |         | SRPS EN ISO 2160 |
| Coefficient of thermal expansion, 1/°C              | 0.00077   | 0.00076 | 0.00075 | ASTM D 1903      |
| Specific heat, kJ/kgK                               |           |         |         |                  |
| at 100°C  | 2.17      | 2.16    | 2.15    |                  |
| at 200°C  | 2.53      | 2.52    | 2.52    |                  |
| Maximum recommended temperatures of application, °C |           |         |         |                  |
| - open system                                       | 180       | 185     | 190     |                  |
| - closed system                                     | 280       | 300     | 320     |                  |

## 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.