



# Farolin U

## Thermal oil

### Description

Aral Farolin U has proven itself to be effective in heat transfer systems, due to its specially selected base oils with a narrow fractionating cut. Thermal oil Aral Farolin U has a high thermal stability, favourable heat transfer parameters, high corrosion protection and a low pour point. Moreover, it has a high oxidation stability, a good liquidity even at low ambient temperatures, and behaves neutrally towards conventional machine materials.

Aral has successfully submitted this product to the strict requirements of the high-quality standard DIN EN ISO 9001.

This certification gives you an additional safety assurance with this products quality and the service that can be expected from Aral.

### Application

Aral Farolin U is best suited for heat transfer systems used in the chemistry, food, cement, rubber, metal, textile, wood and paper-industries. This product can also be used for room and air heating systems.

### Typical Characteristics

|  | Method                 | Units              | Farolin U               |
|--|------------------------|--------------------|-------------------------|
| Density @ 15°C / 59°F                                  | ISO 12185 / ASTM D4052 | kg/m <sup>3</sup>  | 870                     |
| Kinematic Viscosity @ 40°C / 104°F                     | ISO 3104 / ASTM D445   | mm <sup>2</sup> /s | 30.7                    |
| Kinematic Viscosity @ 100°C / 212°F                    | ISO 3104 / ASTM D445   | mm <sup>2</sup> /s | 5.2                     |
| Flash Point - closed cup method                        | ISO 2719 / ASTM D93    | °C/°F              | 222/432                 |
| Pour Point   | ISO 3016 / ASTM D97    | °C/°F              | -15/5                   |
| Service temperature range                              | -                      | °C                 | -10 / +320              |
| Specific Heat Capacity<br>@ 40°C<br>@ 200°C<br>@ 300°C | -                      | kJ/kg/°C           | 1.996<br>2.621<br>3.021 |
| Thermal conductivity<br>@ 40°C<br>@ 200°C<br>@ 300°C   | -                      | W/m°C              | 0.132<br>0.120<br>0.113 |

Subject to usual manufacturing tolerances.

## Additional Information

Before the refilling of equipment, the entire system should be subjected to a thorough cleaning, since coke type deposits can never completely be prevented.

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