

Glacier Coolant

Description of LM-16D

Glacier Coolant Product

**Focus on the anti-rust and anti-corrosion solutions of
industrial refrigerant for 31 years**

Glacier Group



**Product brand:**

Glacier Coolant

Product model:

LM-16D

Product function:

LM-16D glacial coolant is a heat transfer medium with good thermal stability. It is a heat carrier that transfers heat to the substances that need to be heated, and is widely used in medicine, chemical industry, solar thermal new energy, oil and gas and other fields.

Product character:

Light color or pale yellow transparent liquid.

Product composition:

LM-16D glacial coolant is composed of synthetic hydrocarbons.

Main parameters:

LM-16D glacial coolant is mainly suitable for high temperature environment, as a heat transfer medium, with a use range of 20°C~350°C. Stable structure, good thermal stability, good vapor pressure, used in closed cycle system. The opening flash point is not less than 207 °C, the average boiling point is 370 °C, the pour point is ≤ -30 °C, and the density at 20 °C is 1.046 ± 0.003 g/cm³.

Physical property parameters at different temperatures (reference values):

Temperature (°C)	20	50	100	200	300	350
Density (g/cm ³)	1.046	1.021	0.986	0.916	0.846	0.805
Dynamic viscosity (cP)	45	10.5	3.0	0.68	0.29	0.20
Specific heat (kJ/kg•K)	1.5949	1.6869	1.8251	2.1307	2.4279	2.5786





Thermal conductivity (W/m•K)	0.1455	0.1420	0.1397	0.1269	0.1106	0.1013
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Product features:

The product has the following features:

- Synthetic high-temperature heat transfer oil with a single component.
- It has the characteristics of high flash point, high boiling point, high natural point and low pour point.
- The opening flash point can reach more than 200°C, which can ensure safe use.
- It has good thermal stability and oxidation resistance.
- Virtually non-corrosive to metals.
- It can be used for a long time, stably and safely.

Usage method

1. LM-16D can be used alone, and cannot be mixed with other refrigerants and heat transfer media.
2. After cleaning and drying the system, confirm that there is no leakage, and add this solution to the system as soon as possible.
3. Use only in a closed system to prevent moisture from entering during use.
4. It should not be used directly to heat or cool oxidizing chemicals. When used for indirect heating in the production process of food or drugs, it should meet the requirements of relevant national food and drug safety standards.

After-sale service and testing items:

Relevant personnel will provide tracking service during the using process of the product. They will regularly sample the products used by the customers and take them back to the company for lifelong free testing. The testing items rely on the company's low-temperature liquid heat transfer medium engineering laboratory. The test report will be feed back to the customer timely. Solutions and cooperation with relevant technical services in case of problems will be provided. The 360 degree all-round after-sales service will be provided to the customers.





Inspection cycle:

When used for the first time, the product should be inspected within 3 months after the product is injected into the system and completed commissioning, and then at least once a year, the inspection items are appearance, closed flash point, viscosity, acid number and other indicators.

Notes:

For the specific requirements and safety precautions for the operation, use and storage of glacier coolant, see the safety technical manual, safety label, enterprise standard and other information of the product. Please read carefully before using this type of product.

