



Vanfrost

Technical data sheet

Material Description

VANFROST is an inhibited propylene glycol based heat transfer fluid specifically designed to provide effective freeze and corrosion protection. Propylene glycol fluids have low acute oral toxicity and are often used in applications where incidental contact with food or beverage products may occur.

Recommended temperature ranges: -51°C to 120°C

| Specification | |
|----------------------------------|--------------------------|
| Physical properties | Typical Values |
| Appearance | Clear liquid |
| Freezing point of a 1:1 dilution | -28°F (-33°C) maximum |
| Density | 1.03 - 1.06 kgs/L @ 15°C |
| Inhibitor | Dipotassium phosphate |
| Flash point | 100°C |
| Main ingredient | Propylene glycol |

Applications

- HVAC
- Line heaters
- Radiant heating
- Thermal storage

| Physical properties | |
|--|--------------|
| For freeze protection, Volume % Vanfrost | Freeze point |
| 30 | -13°C |
| 35 | -17°C |
| 40 | -22°C |
| 45 | -27°C |
| 50 | -35°C |
| 55 | -43°C |
| 59 | -51°C |

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