# **Glycol Solution Freezing Point**

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#### **Glycol Solution Freezing Point**

Freezing Point of Propylene Glycol based Water Solutions. Freezing point of propylene glycol based water solutions at different temperatures: Freezing Point Propylene Glycol Solution. (%) by mass 0 10 20 30 40 50 60. by volume0 10 19 29 40 50 60 Temperature. oF 32 26 18 7 -8 -29 -55.

#### Freezing Point of Propylene Glycol based Water Solutions

In food processing systems the common heat-transfer fluid is based on propylene glycol. Freezing point of propylene glycol based water solutions at different temperatures: Due to slush creation - a propylene glycol and water solution should not be used close to freezing points.

### **Propylene Glycol based Heat-Transfer Fluids**

Freezing point, viscosity, specific gravity and specific heat of ethylene glycol based heat-transfer fluids, or brines. Sponsored Links. Ethylene Glycol based water solutions are common in heat-transfer applications where the temperature in the heat transfer fluid can be below 32oF (0oC).

#### Ethylene Glycol Heat-Transfer Fluid - Engineering ToolBox

I want to use ethylene glycol or propylene glycol as an anti-freeze. What are the freezing points of various aqueous solutions of these chemicals?

#### Freezing Points of Propylene and Ethylene Glycol Solutions

FREEZING POINTS FOR SOLUTIONS OF ETHYLENE GLYCOL. For optimum cooling, it's best to use the smallest proportion of anti-freeze commensurate with your local temperatures and block materials. 10%-20% of anti-freeze will help prevent internal corrosion, especially when using an aluminum block or heads. For short term use,...

#### Freezing Points of Ethylene Glycol Mixtures

Typical Freezing and Boiling Points of Aqueous Solutions of DOWTHERMTM SR-1 and DOWTHERMTM 4000† Dow Heat Transfer Fluids Freezing Point Wt % Ethylene Glycol Vol % Ethylene Glycol Vol % DOWTHERM SR-1 Vol % DOWTHERM 4000 ... Inhibitor levels in glycol solutions less than 25-30% may not provide adequate corrosion protection.

#### Typical Freezing and Boiling Points of Aqueous Solutions ...

Glycol Percentage Relative to Freeze Point Propylene Glycol www.ClenAir.com Freezing Point Propylene Glycol Solution (%) 0% 10% 20% 30% 40% 50% 60% Glycometer™ Temperature (F)° 32° 26° 18° 7° (-8°) (-29°) (-55°) Ethylene Glycol

#### Glycol Percentage Relative to Freeze Point - ClenAir.com

PROPYLENE GLYCOL - WATER SOLUTION SPECIFIC GRAVITY, CONCENTRATION AND FREEZING POINT CHART Specific Gravity – SG  $60^\circ$ F 1.000 1.008 1.017 1.026 1.034 1.041 1.046 Propylene Glycol Solution % by mass 0 10 20 30 40 50 60 by volume 0 10 19 29 40 50 60 Freezing Point Temperature

# Propylene Glycol - Water Solution Specific Gravity ...

glycol and its homologs set to glass-like solids, rather than freezing. The addition of water to a glycol yields a solution with a freezing point below that of water. This has led to the extensive use of glycol-water solutions as cooling media at temperatures appreciably below the freezing point of water.

# A Guide to Glycols - Dow

Hydrate inhibition. Because of its high boiling point and affinity for water, ethylene glycol is a useful desiccant. Ethylene glycol is widely used to inhibit the formation of natural gas clathrates (hydrates) in long multiphase pipelines that convey natural gas from remote gas fields to a gas processing facility.

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