

ENGINEERING SUBMITTAL SHEET

DOWFROST Propylene Glycol Heat Transfer Fluid

STIEBEL ELTRON

Simply the Best

Item No. 074200

- » Ready to use mixture
- » Recommended temperature range:
-50°F (-45°C) to 250°F (120°C)

DOWFROST 50	
Item Number	074200
Contents of container	
Volume of Mixture	5 gal / 18.9 l
Weight % Propylene Glycol	50
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Weight % DOWFROST	52.3
Volume % DOWFROST	52.2
Mixture color	Pink
Mixture properties	
Freezing Point	-28.3 °F / -33.5 °C
Boiling Point @ 1 bar	222 °F / 105.6 °C
Refractive Index @ 72 °F / 22 °C	1.3903
Freeze protection temperature	-30 °F / -34 °C
Burst protection temperature	< -60 °F / < -51 °C
DOWFROST fluid (pure properties)	
Weight % Propylene Glycol	96
Weight % performance additives	4
Specific gravity (60 °F / 15 °C)	1.050 - 1.060
pH of Solution	9.0 - 10.0
Reserve alkalinity	10.0 ml



Description

DOWFROST heat transfer fluid contains specially formulated packages of industrial inhibitors that help prevent corrosion.

For health and safety information for this product, contact Stiebel Eltron at the number at the bottom of this page.

Temperature	Specific Heat	Density	Thermal Conductivity	Viscosity
°F / °C	BTU/lb•°F / kJ/(kg•K)	lb/ft ³ / kg/m ³	Btu/hr•ft•°F / W/m•K	cps / mPa•s
-22 / -30	0.798 / 3.339	66.48 / 1064.83	0.1875 / 0.3246	172.83 / 172.8273
-4 / -20	0.807 / 3.378	66.28 / 1061.71	0.1927 / 0.3336	73.02 / 73.0193
50 / 10	0.835 / 3.493	65.50 / 1049.25	0.2057 / 0.3560	10.65 / 10.6481
104 / 40	0.863 / 3.609	64.44 / 1032.17	0.2147 / 0.3716	3.11 / 3.1103
149 / 65	0.886 / 3.706	63.33 / 1014.40	0.2191 / 0.3792	1.55 / 1.5483
194 / 90	0.909 / 3.802	62.02 / 993.42	0.2208 / 0.3821	0.93 / 0.9339
248 / 120	0.936 / 3.918	60.18 / 964.00	0.2191 / 0.3792	0.60 / 0.6029