

THERMAL CHARGE® HEAT TRANSFER FLUID PGXL



DESCRIPTION

THERMAL CHARGE® PGXL is a high-performance, inhibited propylene glycol heat transfer fluid, specially formulated to protect all common metals, including aluminum, copper, and stainless steel from corrosion. To enhance safety, THERMAL CHARGE® PGXL is colored green to help identify leaks.

BENEFITS

- ENHANCED ALUMINUM AND COPPER PROTECTION DESIGNED TO RESIST CORROSION AND EROSION DAMAGE
- 2-ETHYLHEXANOIC ACID (2-EHA) FREE FORMULATION
- CONTAINS INHIBITORS THAT HELP PROTECT AGAINST CORROSION OF ALL METALS, INCLUDING ALUMINUM, COPPER AND STAINLESS STEEL
- GREEN COLORED DYE TO HELP DETECT LEAKAGE
- PROPYLENE GLYCOL BASE FOR LOWER TOXICITY AS COMPARED TO ETHYLENE GLYCOL BASED FORMULAS
- EFFECTIVE FREEZE/BOIL OVER PROTECTION

SUITABLE APPLICATIONS

- Closed-loop water based HVAC
- Cooling towers and chillers
- Food and beverage
- Fire sprinkler systems
- Ground freeze prevention
- Ice-making & skating rink systems
- Irrigation systems
- Refrigeration and freezing
- Trace line insulation & heating
- Water bath heaters
- Data Centers

FREEZE/BURST PROTECTION CHART Volume % THERMAL CHARGE® PGXL Required			
TEMPERATURE		FOR FREEZE PROTECTION	FOR BURST PROTECTION
(°F)	(°C)		
20	-7	19%	13%
10	-12	30%	21%
0	-18	38%	25%
-10	-23	44%	30%
-20	-29	48%	32%
-30	-34	52%	35%
-40	-40	57%**	37%
-50	-46	60%**	37%
-60	-51	63%**	37%

***At temperatures below 0°F (-18°F), PG based fluids can demonstrate increased viscosities >1,000 cps (>1,000 mPa·s) that can promote cold-start pumpability issues within applications.*

**DO NOT USE A CONVENTIONAL
ETHYLENE GLYCOL
HYDROMETER TO TEST
PROPYLENE GLYCOL COOLANTS**

To order, please call **1-800-323-5440**
or email: commercial@owi.com
For technical support, call **1-800-477-5847**

PROPERTIES	ASTM TEST METHOD	TYPICAL VALUES FOR THERMAL CHARGE® PGXL
Specific Gravity @ 60/60 °F	D1122	1.07
pH of Solution	D1287	9
Reserve Alkalinity, mL	D1121	Report
Freezing Point, °F/°C	D1177, D6660, D3321	-60 / -51
Burst Point, °F/°C	-	<-100/-73
Boiling Point*, °F/°C	D1120	≥370.8 / 188.2
Chloride, ppm	D5827	<25
Odor	-	Not Offensive
Color	-	Green

* At atmospheric pressure

PRODUCT AVAILABILITY	50%	40%	100%
Bulk	TXLB50	TXLB40	TXLOB0
275 Gallon Tote	TXLB51	TXLB41	TXLOB1
55 Gallon Drum	TXLB58	TXLB48	TXLOB8



Manufactured for Old World Industries, LLC., Northbrook, IL 60062 • (800) 289-7234
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