DURATHERM
EXTENDED LIFE FLUIDS

DURATHERM XLT-120

OVERVIEW

Duratherm XLT-120 heat transfer fluid is engineered for long-term operation in heat transfer applications requiring precise temperature control ranging from -120°F up to 150°F (-84°C to 65°C).

Ideal for cryogenic applications Duratherm XLT's ecomomical cost and wide operating temperature also makes it well-suited for heating and cooling applications found in the food processing, pharmaceutical and chemical industries.

TROUBLE-FREE OPERATION

Duratherm XLT-120 heat transfer fluid does not require monitoring of concentration or additive levels.

LONGEVITY

Duratherm XLT-120 heat transfer fluid utilizes our exclusive additive system for long-term, trouble-free operation at any temperature, high or low.

ENVIRONMENTAL

Duratherm XLT-120 heat transfer fluid is plant and user friendly. Low odours, high flash point and no SARA reportable substances makes **Duratherm XLT-120** the wise choice for worker health and safety.

DISPOSAL

After its extensive service life, **Duratherm XLT-120** heat transfer fluid can be disposed of through local waste oil recycling programs. Check your local regulations.

DURATHERM XLT-120 PROPERTIES

Appearance: clear liquid, slight yellow tint

Maximum Bulk/Use Temp.*	150°F	65°C
Minimum Bulk/Use Temp.*	-120°F	-84°C
Flash Point ASTM D92	120°F	49°C
Fire Point ASTM D92	140°F	60°C
Viscosity ASTM D445		
cSt at -40°F / -40°C	8.5	
cSt at 32°F / 0°C	4.5	
cSt at 150°F / 65°C	1.3	
Pour Point ASTM D97	-130°F	-90°C
Density ASTM D1298	**lb/ft3**	**g/ml**
at -40°F / -40°C	54.1	0.868
at 32°F / 0°C	52.9	0.856
at 150°F / 65°C	50.8	0.813
Carbon Residue ASTM D189	0.005	% Mass
Sulphur Content X-RAY	<.001	weight %
CU Strip Corrosion ASTM D130	1a	
Thermal Conductivity	**BTU/hr F ft**	**W/m. K**
at -40°F / -40°C	0.080	0.138
at 32°F / 0°C	0.079	0.136
at 150°F / 65°C	0.076	0.131
Heat Capacity	**BTU/lb F**	**kJ/kg K**
at -40°F / -40°C	0.460	1.926
at 32°F / 0°C	0.481	2.012
at 150°F / 65°C	0.520	2.177
Vapor Pressure ASTM D2879	**psia**	**kPa**
at 60°F / 15°C	0.00	0.00
at 100°F / 38°C	0.02	0.13
at 150°F / 65°C	4.31	29.71
Distillation Range ASTM D2887	10%	181°F (83°C)
	90%	546°F (285°C)
***Maximum Film Temp.**	180°F	82°C

The values quoted are typical of normal production. They do not constitute a specification.