



# HEAT TRANSFER FLUIDS

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## XCEL THERM<sup>®</sup> XT

High efficiency heating/cooling fluid with -70°F to 650°F range (-55°C to 345°C); liquid or vapor phase, 527°F (275°C) IPB. Recommended for natural gas processing, solvent recovery units, chemical processing and many other applications. Especially useful when a high heat transfer coefficient is desired across a broad temperature range.

### TYPICAL PROPERTIES

<b>Key Operating Temperatures</b>		
Maximum Bulk Fluid Operating Temperature	650°F	343°C
Maximum Film Temperature	700°F	371°C
Flash Point (PMCC)(ASTM D93)(min)	255°F	109°C
Flash Point (COC)(ASTM D92)(min)	275°F	135°C
Fire Point (ASTM D92)(min)	307°F	153°C
Autoignition Temperature (min)	803°F	428°C
Pumpability, at 300 cSt (mm <sup>2</sup> /s)	-47°F	-44°C
Normal Boiling Point, 10% Fraction	522°F	272°C
<b>Physical Properties</b>		
Appearance	Water white to straw yellow, clear liquid	
Odor	Mild	
Composition	Radco-engineered alkyl aromatic	
Critical Pressure	23.7 atm	2.5 MPa
Average Molecular Weight	182 g/mol	Weight
Moisture Content (maximum)	300 ppm	
Density, at 25°C/77°F	8.35 lbs/gal	1,001 kg/m <sup>3</sup>
Specific Gravity @ 77°F/25°C	0.99	
<b>* Data represents typical laboratory samples and are not guaranteed for all samples</b>		