



HT-300 Technical Data Sheet

HT-300 is a nominal 2lb/ft³, closed cell rigid polyisocyanurate (PIR) foam that is supplied to a wide-ranging network of fabricators in the form of bunstock. HT-300 boasts exceptional characteristics at continuous service temperatures of -297°F to +300°F and can sustain intermittent and brief temperature fluctuations up to +350°F. The industry leading k-factor of 0.165 BTU-in/hr-ft²-°F, aged 180 days @ 75°F, and other excellent characteristics make HT-300 the optimal insulation for applications that require a flame spread/smoke development of 25/50 or less. These include, but are not limited to:

- Commercial Chilled Water
- Institutional Applications
- Use in Air Plenums
- Refrigeration/Cryogenic
- Central Chiller Plants
- Low Pressure Steam and etc.

HT-300 complies with ASTM C-591, Grade 2, Type IV / HT-300 complies with Section 1605 of ARRA of 2009

PHYSICAL PROPERTIES		SI	Metric
Property	ASTM Test Method		
Density, pcf (kg/m ²), Nominal	D-1622	2.0	(32.0)
Compressive Strength, psi (kPa) Parallel to Rise	D-1621	30	(207)
		Perpendicular to Rise	20
k-factor, BTU-in/hr-ft ² -°F (w/mK) Initial	C-518-91	0.121	(0.017)
		Aged 180 days @ 75°F (24°C)	0.165
Water Absorption, psf (g/cm ²)	D-2842	0.05	(0.027)
Water Vapor Permeability, Perm-in (ng/Pa-S-M)	E-96	4.0	(5.8)
Service Temperature, °F (°C) Continuous		-297°F to +300°F	(-183°C to +149°C)
		Intermittent	+350°F
Color,		Orange	
Closed Cell Content, %	D-2856	90	
Dimensional Stability, % Change Dry Heat, 300°F (149°C), 7, 14 & 28 Days	D-2126	Length	4.0, 4.5 & 4.6
		Width	4.1, 4.1 & 3.2
Surface Burning Characteristics ¹ ,	E-84	Sample Thickness	≤2.5"
		Flame Spread	25
		Smoke Density	50

¹ This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.