



## HT-303 Technical Data Sheet

HT-303 is a nominal 3lb/ft<sup>3</sup>, closed cell rigid polyiso (PIR) foam that is supplied to a wide-ranging network of fabricators in the form of bunstock. HT-303 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. HT-303 maintains the lowest k-factor for this density and prevents possible “thermal shorts” at saddle supports and other areas that require a higher density polyiso. HT-303 can be used in a variety of applications where higher compressive strengths are necessary. These include, but are not limited to:

- Saddle Supports
- High Mechanical Abuse Areas
- Tanks and Vessels
- Core Material/Structural Panels
- Cryogenic Applications
- Industrial Applications

HT-303 complies with Section 1605 of ARRA of 2009

PHYSICAL PROPERTIES			
Property	ASTM Test Method	SI	Metric
Density, pcf (kg/m <sup>2</sup> ), Nominal	D-1622	3.0	(50.0)
Compressive Strength, psi (kPa)	D-1621		
Parallel to Rise		55	(379)
Perpendicular to Rise		45	(302)
k-factor, BTU-in/hr-ft <sup>2</sup> -°F (w/mK)	C-518-91		
Initial		0.127	(0.0183)
Aged 180 days @ 75°F (24°C)		0.172	(0.0248)
Water Absorption, psf (g/cm <sup>2</sup> )	D-2842	0.075	(0.04)
Water Vapor Permeability, Perm-in (ng/Pa-S-M)	E-96	2.8	(4.25)
Service Temperature, °F (°C)			
Continuous		-297°F to +300°F	(-183°C to +149°C)
Intermittent		+350°F	(+172°C)
Color,		Gray	
Closed Cell Content, %	D-2856	92	
Dimensional Stability, % Change	D-2126		
Dry Heat, 300°F (149°C), 7, 14 & 28 Days			
Length		2, 3.1 & 3.4	
Width		1.7, 2.9 & 4.1	
Surface Burning Characteristics <sup>1</sup> ,	E-84		
Sample Thickness		1"	
Flame Spread		25	
Smoke Density		200	

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