



## HT-450

### Technical Data Sheet

HT-450 is a rigid, closed cell polyisocyanurate foam that provides exceptional insulating value at continuous operating temperatures of +400° F (202° C), with intermittent service to +450° F (230° C).

HT-450 offers operators improved energy conservation due to increased insulating efficiency, better process controls and yields, while providing upgrades in strength, durability, stability, moisture resistance and a low installed cost. It is also available as a liquid system for use in pre-insulated pipes and “in situ” applications. HT-450 is available as bun stock in limited sizes. The physical properties of HT-450 are shown below.

PHYSICAL PROPERTIES *		
Property	ASTM Test Method	Result
Density, pcf (kg/m <sup>3</sup> )	D-1622	2.45 (38.5)
Compressive Strength, psi (kPa) @ 10% Deflection Parallel to Rise Perpendicular to Rise	D-1621	30 (207) 27 (186)
Closed Cell Content, %	D-2856	87
k-Factor, BTU-in/hr. ft <sup>2</sup> °F (W/mK) Initial Aged 180 Days @ 75° F (25° C) Aged 90 Days @ 140° F (60° C)	C-518	0.13 (0.018) 0.165 (0.022) 0.18 (0.026)
Water Absorption, psf (g/cm <sup>2</sup> ) % by Volume	D-2842	0.035 (0.017) < 2
<b>DIMENSIONAL STABILITY, % Change</b> <b>Dry Heat, 400° F (202° C)</b> 1 Day 7 Days 28 Days	<b>D-2126</b>	Length                  Volume +1.3                      +0.1 +2.3                      -2.3 +1.6                      -4.4
<b>Service Temperature</b> Continuous Intermittent		-100° F(-73° C) to +400° F (202° C) To +450° F (230° C)
<b>Surface Burning Characteristics<sup>1</sup></b> Flame Spread, 1” Smoke Developed	<b>E-84</b>	40 80

<sup>1</sup> The numerical flame spread and smoke developed data shown above is not intended to reflect fire hazards presented under actual fire conditions.