

#448 1" 6 lb Poly Foam Sheet

Overview: Our Polyisocyanurate foam sheets have similar properties to the mix and pour foam, but come in rigid sheets of varying thickness. This foam is easily cut and shaped with a sharp knife and sandpaper. Pattern-making has never been quicker! It can also be glued together to form blocks as thick as necessary for shaping functional type parts.

Features & Benefits:

- Rigid, un-faced, closed cell Polyisocyanurate foam material
- Designed for use in environments where temperatures range from -297°F to +300°F
- Similar to Polyurethane foam but offers greater dimensional stability over a wider service temperature range.
- Can be used for many applications including: Laminated building wall and roof panels, truck bodies, trailers, shipping containers and railcars, FRP panels, tanks, and shelters, Pultrusion and infusion processes, Plugs, patterns, and carved products

Specific Product Properties:

Physical Properties		ASTM Method	Typical Values	
Density, Average		D1622	6.0 lb/ft ³	96 kg/m ³
k-factor		C518		
	Initial at 75°F (24°C)		0.180 BTU-in/hr-ft ² -°F	.026 W/m-°C
	Aged 10 days at 158°F (70°C)		0.192 BTU-in/hr-ft ² -°F	.028 W/m-°C
R-value/inch				
	Aged 10 days at 158°F (70°C)		5.2 Hr-ft ² -°D/BTU	0.92m ² C/W
Compressive Strength		D1621		
	Parallel		142 lb/in ²	978 kPa
	Perpendicular		121 lb/in ²	834 kPa
Compressive Modulus		D1621		
	Parallel		4773 lb/in ²	32886 kPa
	Perpendicular		3093 lb/in ²	20621 kPa
Shear Strength		C273		
	Parallel		82 lb/in ²	565 kPa
	Perpendicular		64 lb/in ²	441 kPa
Shear Modulus		C273		
	Parallel		672 lb/in ²	4630 kPa
	Perpendicular		571 lb/in ²	3934 kPa
Tensile Strength		D1623		
	Parallel		126 lb/in ²	868 kPa
	Perpendicular		116 lb/in ²	799 kPa
Tensile Modulus		D1623		
	Parallel		3729 lb/in ²	25692 kPa
	Perpendicular		3415 lb/in ²	25692 kPa
Water Vapor Transmission		E96	2.4 perms/in	4.3 ng/Pa-S-m
Dimensional Stability (volume change)		D2126		
	158°F (70°C) + 97%R.H./7 days		+1.7%	+1.7%
	212°F (100°C) + Ambient R.H./7 days		+0.5%	+0.5%
	-40°F (-40°C) + Ambient R.H./7 days		-0.4%	-0.4%
Surface Burning Characteristics		E84-03		
Flame Spread up to 6" (15.23 cm)			<25	
Smoke Developed up to 6" (15.23 cm)			<450	

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.
 © Copyright 2007 Fibre Glast Developments Corporation PDCT-PDS-00280-A-07/07-DA

Safety & Handling: #448 1" 6 lb Poly Foam Sheets contain ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn. Individuals should wash with soap and water before eating, drinking, or using toilet facilities. Individuals should observe conditions of good industrial hygiene and safe working practice. For more detailed instructions on handling please see the MSDS sheet.