

## PHYSICAL PROPERTIES OF ISO-C1/6.0 POLYISOCYANURATE RIGID FOAM INSULATION

PHYSICAL PROPERTY MEASURED <sup>(1)</sup>	ASTM METHOD <sup>(2)</sup>	VALUE	PHYSICAL PROPERTY MEASURED	ASTM METHOD <sup>(2)</sup>	VALUE
Density <sup>(3)</sup>	D-1622	<b>6.0 lb/cu ft</b>	Dimensional Stability <sup>(3) (5)</sup>	D-2126	
Compressive Strength <sup>(3)</sup>	D-1621		@ 158°F/95%RH, 7 Days	Length	<b>Less Than +1.0%</b>
Parallel to rise		<b>139 lbs/ sq in</b>		Volume	<b>Less Than +1.5%</b>
Compressive Modulus	11	<b>4,527 lbs/sq in</b>	@ 212°F, 7 Days	Volume	<b>Less Than +0.1%</b>
Tensile Strength	D-1623	<b>136 lbs/sq in</b>		Length	<b>Less Than +0.1%</b>
Flexural Strength	C-203	<b>204 lbs/sq in</b>	@ -40°F, 7 Days	Volume	<b>Less Than +0.3%</b>
Flexural Modulus	C-203	<b>4,764 lbs/sq in</b>		Length	<b>Less Than +0.1%</b>
Shear Strength	C-273	<b>84 lbs/sq in</b>	Water Absorption	C-272	<b>Less Than +0.7%</b>
Shear Modulus	C-273	<b>788 lbs/sq in</b>	Water Vapor Permeance	E-96	<b>1.25 perm-inch</b>
			Service Temperature <sup>(4)</sup> °F(°C)		<b>-297 to +300 (-183 to +149)</b>
Thermal Resistance	C-518		Surface Burning Characteristics <sup>(6)</sup>		
10 days K-Factor	@1"	<b>0.16 initial</b>	Flame spread @ 4"	E-84	<b>35</b>
			Smoke density @ 4"	E-84	<b>Over 500</b>
Closed Cell Content	D-2856	<b>TBD</b>	Hot Surface	C-411	<b>TBD</b>

<sup>(1)</sup> All properties are measured at 70°F – 75°+ unless otherwise indicated and all test values from independent certified testing laboratories.

<sup>(2)</sup> These are nominal values obtained from representative product samples, and are subject to normal manufacturing variances.

<sup>(3)</sup> Average value through the foam cross section.

<sup>(4)</sup> Above 300°F, discoloration and charring will occur, resulting in an increased K-Factor in the discolored area.

<sup>(5)</sup> Frequent and severe thermal cycling can produce dimensional changes significantly greater than those listed here. Special design considerations must be made in systems subject to severe cycling.

<sup>(6)</sup> This numerical flame spread data is not intended to reflect hazards presented by this or any other material under actual fire conditions.

### FOR TECHNICAL INFORMATION:

- **Contact: Esmeralda Martinez**  
Technical Director
- **Phone: (305) 921-0123 Fax: (305) 687-6353**
- **Email: emartinez@dyplastproducts.com**
- **MSDS sheets available upon request**



(800) 433-5551  
[info@dyplastproducts.com](mailto:info@dyplastproducts.com)  
[www.dyplastproducts.com](http://www.dyplastproducts.com)  
 12501 N.W. 38<sup>th</sup> Ave.  
 Miami, FL 33054

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