



### TECHNICAL INFORMATION

Parameter <sup>(1)</sup>	Unit, English	Typical Values <sup>(2,3)</sup>		
Thickness	in	7/16	19/32	3/4
Working Temperature (recommended range)	°F	-40 to +160		
Thickness tolerance	in	+0.008-0.012		
Angle tolerance (at 68°F)	In/ft	-0.0+0.024		
Tolerance in flatness (based on length of the sheet)	In/ft	0.012/1		
Weight	lb/ft <sup>2</sup>	1.45	1.66	1.99
Eff. Flexural Modulus [calculated with effective cross section of sheet, by Young, similar to DIN EN ISO 178]	psi	>545,000	-	>580,000
Flexural Strength (ASTM D790)	psi	3,770	-	3,770
Bending Stiffness (ASTM D3043)	lbf-in <sup>2</sup> /ft	-	-	155,000
Ultimate Moment (Strength) (ASTM D3043)	lbf-in/ft	-	-	4,480
IZOD notched impact strength at +73°F (ASTM D256)	ft-lb/in	2.0	-	2.1
Dynatap Impact Strength@+73°F maximum load (ASTM D7192)	lbf	-	-	878
Dynatap Impact Strength@+73°F total energy (ASTM D7192)	ft-lbf	-	-	48.5
Dynatap Impact Strength@-40°F maximum load (ASTM D7192)	lbf	1,100	-	1,300
Dynatap Impact Strength@-40°F total energy (ASTM D7192)	ft-lbf	35.9	-	68.7
Compression Strength @ 10% Strain (ASTM D695)	psi	-	-	500
Shore hardness (ASTM D2240)		71		
Heat Deflection Temperature @ 66 psi (similar to ASTM D648-06)	°F	-	-	246
Sound Transmission Class (acc. ASTM E90-2004)	dB	29		
R-value/inch (acc. ASTM C518)	Hr-ft <sup>2</sup> -°F/Btu	1.60		
Coefficient of Thermal Linear Expansion (ASTM D696)	in/in/°F	2.0 x 10 <sup>-5</sup>		

(1) Properties designated have been determined in accordance with or substantially in accordance with the specified testing standards.

(2) Typical values represent average laboratory values and are intended as guides only, not as specifications.

(3) All products are formulated using high density polyethylene

**Contact a representative to learn how INNOLAST™ lightweight composite panel can add value to your applications**

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