



TECHNICAL INFORMATION

Parameter <sup>(1)</sup>	Unit, English	Typical Values <sup>(2,3)</sup>			
Thickness	in	11/32	15/32	19/32	23/32
Working Temperature (recommended range)	°F	-4° to +150°F			
Thickness tolerance	in	+0.008-0.012			
Angle tolerance (at 68°F)	in/ft	-0.0+0.024			
Cutting tolerance (at 68°F )	in/ft	-0.0+0.018			
Tolerance in evenness (based on length of the sheet)	in/ft	0.012/1			
Density	lb/ft <sup>3</sup>	36.8	32.5	29.3	27.5
Weight	lb/ft <sup>2</sup>	1.11	1.27	1.45	1.64
Eff. Flexural Modulus [calculated with effective cross section of sheet, by Young, similar to DIN EN ISO 178]	psi	155,200	137,800	132,700	129,100
Shore hardness (DIN ISO 868)	-	60			
Notched impact strength at +73°F (acc. to DIN EN ISO 179/1eA [DIN 53453])	ft-lb/in	1.14	1.06	1.0	0.89
Notched impact strength at -10°F (acc. to DIN EN ISO 179/1eA [DIN 53453])	ft-lb/in	>0.6	0.52	0.47	0.41
Dielectric strength	kV/in	>760	>760	>760	>760
Water absorption (acc. to ISO DIS 62/7 days)	%	<0.05			
Sound Transmission Class (acc. ASTM E90-2004)	dB	27			
R-value/inch (acc. ASTM C518)	Hr-ft <sup>2</sup> -°F/Btu	1.37			
Heat transfer coefficient (acc. ASTM C518)	Btu-in/(hr-ft <sup>2</sup> -°F)	0.860	0.844	0.827	0.775
Thermal elongation	in/in/°F	8x10 <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 and optional UV stabilization package.

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

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