

TECHNICAL INFORMATION

Parameter ⁽¹⁾	Unit, SI	Typical Values ^(2,3)			
Thickness	mm	9	12	15	18
Working Temperature (recommended range)	C°	-20° to +65°C			
Thickness tolerance	mm	+0.2-0.3			
Angle tolerance (at 20° C)	mm/m	-0.0+2.0			
Cutting tolerance (at 20° C)	mm/m	-0.0+1.5			
Tolerance in evenness (based on length of the sheet)	mm/m	1/1			
Density	g/cm ³	0.59	0.52	0.47	0,44
Weight	kg/m ²	5.4	6.2	7.1	8.0
Eff. Flexural Modulus [calculated with effective cross section of sheet, by Young, similar to DIN EN ISO 178]	MPa	1,070	950	915	890
Shore hardness (DIN ISO 868)	-	60			
Notched impact strength at 23°C (acc. to DIN EN ISO 179/1eA [DIN 53453])	KJ/m ²	7.6	7.05	6.6	5.9
Notched impact strength at -23°C (acc. to DIN EN ISO 179/1eA [DIN 53453])	KJ/m ²	>4	3.47	3.10	2.70
Dielectric strength	kV/cm	>300	>300	>300	>300
Water absorption (acc. to ISO DIS 62/7 days)	%	<0.05			
Sound Transmission Class (acc. ASTM E90-2004)	dB	27			
R-value/25.4 mm thickness (acc. ASTM C518)	K*m ² /W	0.241			
Heat transfer coefficient (acc. ASTM C518)	W/(m*K)	0.124	0.122	0.120	0.112
Thermal elongation	mm/(m*K)	0.145			

(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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