



Physical Properties	Unit	Test Method	3mm-12.7mm
Density	g/cm ³	ASTM D792	0.56
Water Absorption	%	ASTM D570	2.5-5.5
Surface Energy	Dyne		32-34
Hardness	Shore D	ASTM D2440	45-50
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Mechanical Properties			
Tensile Strength @ Break	psi	ASTM D638	1223 (12.7mm)
Flexural Strength @5%	psi	ASTM D790	740 (12.7mm)
Tensile Modulus	psi	ASTMD638	94892 (12.7mm)
Flexural Modulus	psi	ASTM D790	28600 (12.7mm)
Screw Hold	psi	ASTM D1761	440 (12.7mm)
Izod Impact (Un-notched)	ft-lb/in	ASTM D 256	2.38 (12.7mm)
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Thermal Properties			
Heat Deflection Temp	°C	ASTM D648	132-140 (6mm)
Coefficient of Linear Expansion	CLTE (°C)10 ⁻⁶	ASTM E831	73-80 (3-6mm)
Vicat Softening Point	°C	ASTM D1525	149-154 (6mm)
Thermal Resistance R	R	ASTM C518	0.795 (12.7mm)
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Flammability			
Flame Spread Index	Class (A,B,C)	UL E84	A/B
Vertical Burn Test		UL 94	VO (1-6mm)
Fire Foam Test		UL 1975	Have 2007 Test Report
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Electrical Properties			
Dielectric Strength	kV/mm	ASTM D194	6.8-9.0
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Compliances		RoHS	Yes
		Prop 65	Yes
		REACH	No



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The information contained here is supplied in good faith and represents values obtained through empirical observation and as indicated by our own experience. The figures given are to be understood as reference figures and may vary according to processing methods and environmental conditions. This information shall not be construed to be legally binding. In particular, it shall not exempt the purchaser from taking responsibility for testing the product supplied so as to determine its suitability for the intended application. Consequently, this information shall not constitute an independent contractual relationship nor a warranty of the properties indicated. In the event, however, that liability should be at issue, it shall be precluded insofar as premeditation or gross negligence cannot be substantiated. Testing completed in May 2023.