



ANTI-STATIC ACRYLIC AC-300™

Properties - Mechanical	Test Methods	Units	Values
Specific gravity	ASTM D792	-	1.19
Tensile strength			
- Ultimate	ASTM D638	psi	10,000
- Elongation	ASTM D638	%	4.2
Tensile modulus	ASTM D638	psi	400,000
Flexural strength	ASTM D790	psi	16,500
Flexural modulus	ASTM D790	psi	475,000
Compressive strength	ASTM D695	psi	18,000
Izod impact strength	ASTM D256	ft-lb / inch of notch	0.4
Thermal Properties			
Deflection temperature (264 psi load)	ASTM D648	°F	210
Vicat softening point	ASTM D1525	°F	239
Maximum continuous service temperature	/	°F	180
Coefficient of thermal expansion	ASTM D696	in / in / °F	3.8 x 10 ⁻⁵
Coefficient of thermal conductivity	Ceneco-Fitch	BTU•in/hr•ft ² •°F	1.35
Flammability			
Horizontal burn (flame spread)	ASTM D635	in/min	1.1
UL94 rating of the uncoated substrate	UL 94	UL 94	HB
Optical Properties			
3mm Transparent clear transmittance - total	ASTM D1003	%	80
Haze	ASTM D1003	%	less than 5.0
Electrical Properties			
Surface resistivity	ASTM D257	Ohms/sq	10 ⁶ - 10 ⁸
Surface resistance	EOS/ESD S11.11	Ohms	10 ⁵ - 10 ⁷
Electrostatic Decay	FTS 101C Method 4046.1	sec	less than 0.05

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