



## *Acriplex™ EX - Physical Properties*

Property	ASTM Method	Test Value	
Mechanical	Specific Gravity	D 792	1.19
	Tensile Strength	D 638	658 Kg/Cm <sup>2</sup>
	Elongation	D 638	5.0 %
	Tensile Modulus	D 638	24624 Kg/Cm <sup>2</sup>
	Flexural Strength	D 790	964 Kg/Cm <sup>2</sup>
	Flexural Modulus	D 790	29575 Kg/Cm <sup>2</sup>
	Izod Impact Strength	D 256	21.4 J/m
	Rockwell Hardness – 'R' Scale	D 785	M-87
	Barcol Hardness	D 2583	47 %
Optical	Light Transmission	D 1003	93 %
Thermal	Heat Deflation Temperature	D 648	87.2 °C
	Vicat Softening Temperature	D 1525	102.9 °C
	Flamability(Rate Of Burning)	D 635	1.6 Mm/Min
Electrical	Dielectric Strength	D 149	9.3 Kv/mm
	Volume Resistivity	D 257	11x10 <sup>15</sup> Ω Cm
	Surface Resistivity	D 257	1.8x10 <sup>16</sup> Ω
Water Absorption	D 570	0.20 %	
Odor	---	None	
Taste	---	<b>None</b>	

Notes: (a) Test values; should not be used for specification purposes.  
 (b) Values shown are for 0.250" thickness. Some values will change with thickness or pigmentation.  
 (c) It is recommended that temperatures should not exceed 160°F for continuous service, or 190°F for short intermittent use.

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