

### Engineering Data

<b>Issue Date &amp; Rev No.:</b>	March 31, Rev 1 (Added UL File Number)	
<b>DESCRIPTION:</b>	Superior forming and bending properties intended for electrical applications requiring high electrical strength. Medium grey color.	
<b>UL File Number:</b>	E44715 Vol. 1 Sec. 10	
<b>ASTM Spec:</b>	ASTM D710, Electrical Insulation	
<b>Form:</b>	Sheets and rolls	
<b>Thickness Range:</b>	0.38mm to 2.3mm	(0.015" to 0.062")
<b>Standard Widths:</b>	1680 mm	(50" and 66")
<b>Standard Roll Diameters:</b>	1200 mm	48", up to 60" available upon request
<b>Standard Sheet Lengths:</b>	2135 mm	(84")

<u>Property</u>	<u>Thickness (in)</u>	<u>Unit</u>	<u>ASTM Test Method</u>	<u>Typical Value</u>
Density	1/16	gm/cc	D-619	1.2
Specific Volume	1/16	cu in/lb		23
Dielectric Strength	1/64	volts/mil	D-149	450
	1/16	volts/mil	D-149	250
Arc Resistance	1/16	seconds	D-495	130
Thermal Conductivity, 149°F		btu/hr/ft*ft/°F/ft	C-177	0.17
Specific Heat		btu/lb/°F	C-351	0.4
Water Absorption, 24 hrs	1/16	%	D-570	55
<b>Tensile Strength</b>				
MD	1/16	psi	D-638	22,000
CD	1/16	psi	D-638	12,000
Compressive Strength	1/16	psi	D-695	36,000
<b>Impact Strength</b>				
MD	1/16	ft lbs/in	D-256	4
CD	1/16	ft lbs/in	D-256	3
Rockwell Hardness, R Scale	1/16	divisions	D-785	70
Bond Strength	1/16	psi	D-952	950
Bursting Strength, Mullen	1/64	psi	D-202	325
<b>Flexural Strength</b>				
MD	1/16	psi	D-790	30,000
CD	1/16	psi	D-790	18,000
Temperature Rating	1/32	Degrees, Celsius		110
Flammability, UL94	0.027/ 0.102		UL	94HB