

Engineering Data

Issue Date & Rev No.:	September 19, 2003 , Rev 1
DESCRIPTION:	Bone grade with excellent mechanical and electrical properties. Grey, red & black color
UL File Number:	E44715 Vol. 1 Sec. 10
ASTM Spec:	ASTM D710
Form:	Sheets and rolls
Thickness Range:	0.38mm to 2.3mm (0.015" to 0.062")
Standard Widths:	1680 mm (50" and 66")
Standard Roll Diameters:	available upon request
Standard Sheet Lengths:	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	1.3
Specific Volume	1/16	cu in/lb		21
Dielectric Strength	1/64	volts/mil	D-149	250
	1/16	volts/mil	D-149	225
Arc Resistance	1/16	seconds	D-495	100
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
Tensile Strength				
MD	1/16	psi	D-638	19,000
CD	1/16	psi	D-638	10,000
Compressive Strength	1/16	psi	D-695	36,000
Impact Strength				
MD	1/16	ft lbs/in	D-256	1.6
CD	1/16	ft lbs/in	D-256	1.2
Rockwell Hardness, R Scale	1/16	divisions	D-785	80
Bond Strength	1/16	psi	D-952	950
Bursting Strength, Mullen	1/64	psi	D-202	325
Flexural Strength				
MD	1/16	psi	D-790	28,000
CD	1/16	psi	D-790	18,000
Temperature Rating	1/32	Degrees, Celsius		110
Flammability, UL94	0.027/ 0.102		UL	94HB