

EL MAT TESTED UP TO 33 000 Volts - BS 921:1976

Our range includes Electrical insulation sheets based on following international standards

TECHNICAL DATA SHEET

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Properties	Test Method	Unit	BS 921:1976	AS 2978:1995	VDE 0303	IEC 61111
Density	ASTM D 297	g/cm <sup>3</sup>	1.60 ± 0.05	1.60 ± 0.05	1.60 ± 0.05	1.60 ± 0.05
Hardness	ASTM D 2240	Shore A	70 ± 5	70 ± 5	75 ± 5	65 ± 5
Tensile Strength	ASTM D 412	Kg/Cm <sup>2</sup>	50	50	50	65
Elongation	ASTM D 412	%	250	250	250	400
Abrasion	ASTM D 5963	MM <sup>3</sup>	550	550	500	500
Compression set	ASTM D 395 B	%	25	25	25	25
Tear strength	ASTM D 624	Kg/Cm	18	18	20	25
With stand Voltage		Kv	11	11	30 - 50	20 - 50
			15	15		
After heat aged @ 70°C x 70 Hrs	ASTM D 573					
Hardness		%	+8	+8	+6	+6
Tensile Strength		%	-25	-25	-25	-25
Elongation		%	-30	-30	-30	-30
Volume swell @ 70°C x 72 Hrs	ASTM D 471					
ASTM OIL #1		%	NR	NR	NR	Pass
ASTM OIL #2		%				NR
ASTM OIL #3		%				NR
Chem. Resist	ASTM D 1149					
Ozone			NR	NR	NR	NR
Dil. Acid and Base			MILD	MILD	MILD	MODERATE
Cont. Acid & Base			FAIR	FAIR	FAIR	MILD
Oil			NR	NR	NR	MODERATE
Ketone / Alcohol			MILD	MILD	MILD	MILD
Temperature		°C	-25 To + 70	-25 To + 70	-25 To + 70	-25 To + 70
Colour		Visual	GREY	GREY	GREY	GREY, BLACK
Surface Finish		Visual	Rib Design & Smooth surface			

\* NR = Not Recommended

\* Test properties are based on Lab conditions, small variation possible between Lab to Lab.