

## TECHNICAL DATA

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>VALUE</u>
Tensile Strength 23°C	ASTM D638	740 - 920 kg/cm <sup>2</sup>
Modulus of elasticity 23°C	ASTM D638	23 - 30,000 kg/cm <sup>2</sup>
Elongation at break 23°C	ASTM D638	10/100%
Hardness durometer 23°C	ASTM D1706	80 - 85 Shore D
Deformation Under Load 140 kgf/cm <sup>2</sup> at 50°C	ASTM D621	0.5 - 1.0% after 24 hours
Flexural Strength 23°C	BS303	1,050 - 1,100 kg/cm <sup>2</sup>
Impact Strength (Izod) 23°C	ASTM D256	4.6 - 5.5 kgf cm/cm notch
Specific Gravity	ASTM D792	1.14
Water Absorption 23°C @ 24 hrs	ASTM D570	0.8 - 1.4%
Water Absorption Saturation	-	<6/7%
Coefficient of linear thermal	ASTM D696	6.5 x 10 <sup>5</sup> cm/cm
Heat deflection temp Method A	DIN 53461	70/90°C
Heat deflection temp Method B	DIN 53461	>170°C
General service temp. Short Temp )	Depending on shape	150°C
General service temp. Long Temp )	Stress & function	-40 / +120°C
Melting Point	ASTM D789	220 - 225°C
Flammability	ASTM D635	Self extinguishing
Burning Rate	UL94	V - 2
Permittivity 50-16x10 <sup>6</sup> Hz(cycles/sec)	ASTM D150	3.5 - 4.2
Dissipation Factor 50-16x10 <sup>6</sup> Hz(cycles/sec)	ASTM D150	0.01 - 0.04
Dielectric Strength Short Term 0.5mm thick	ASTM D149	>12 kV/mm
Volume Resistivity	ASTM D257	>10 <sup>12</sup>
U.V. effect - (Long term)	-	Nil
Coefficient of friction	Nylon/Steel	0.30 - 0.35
Internal lubricant	-	Mos <sup>2</sup>
Grade Colour	-	DK Grey

**Unless otherwise indicated, all property values are based on tests performed on standard ASTM test samples, and according to standard ASTM test methods.**

**The information is presented in good faith, but is to be used as a guide only.**