



REQUIREMENT	TYPICAL VALUES		
	Imperial	Metric	
Rockwell Hardness	100 Rockwell M.	100 Rockwell M.	
Density	0.045 – 0.048 lbs/in ³	1.25 – 1.35 (Gms/cc)	
Tensile Strength			
Lengthwise	9,427 PSI	65 N/mm ²	
Crosswise	8,700 PSI	60 N/mm ²	
Flexural Strength			
Lengthwise	20.000 PSI	138 N/mm ²	
Crosswise	15.500 PSI	107 N/mm ²	
Shear Strength			
	19.500 PSI	134 N/mm ²	
Compressive Strength			
Flatwise	50.000 PSI	345 N/mm ²	
Edgewise	20.000 PSI	138 N/mm ²	
Water Absorption, Volumetric			
	Less than 0.1%	Less than 0.1%	
Coefficient of Thermal Expansion 20 - 100°C (Per °C x 10 ⁻⁵)			
	Parallel to Laminations	6 - 7	
	Right Angle to Laminations	12 - 13	
Max Constant Operating Temp			
	212°F	100°C	
Min Constant Operating Temp			
	-94 °F	-70°C	
Tensile Modulus			
	0.47 (lbs/in ² x 10 ⁶)	0.32 (N/mm ² x 10 ⁴)	
Lubricants			
	Molybdenum	Molybdenum	
Colour			
	Light Grey	Light Grey	
Coefficient of Friction, Tufcot against Stainless Steel			
Bearing Pressure 15.5 N/mm ²	Dry	0.15 – 0.18	0.15 – 0.18
Surface Speed 2.2 M/Sec (water & oil)	Water	0.01	0.01
	Oil	0.02	0.02

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