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Orkot® TLMM - METRIC

Orkot® TLM Marine is a non asbestos laminated material manufactured by impregnating special fabrics with thermosetting resins and incorperates solid lubricants. Orkot® TLM Marine possesses exceptional wear and dimensional stability in water with vertually no swell.

Physical Properties			
Colour	GREY		
Density	1.25	g/cm^3	BS EN ISO 1183-1:2004
Swell in water (% of wall thickness after 1 year)	0.1	%	
Mechanical Properties			
Compressive Strength			BS EN ISO 604:2003
Normal to laminate	300	N/mm^2	
Parallel to laminate	90	N/mm^2	
Compressive Modulus	2800	N/mm^2	BS EN ISO 604:2003
Yield Strength	90	N/mm^2	BS EN ISO 604:2003
Flexural Strength	65	N/mm^2	BS EN ISO 178:2003
Flexural Modulus	1900	N/mm^2	BS EN ISO 178:2003
Coefficient of Friction (Dry @ 15 N/mm^2)	0.15 - 0.18		
Impact Strength (Charpy, unnotched)	120	KJ/m^2	BS EN 10045-1:1990
Hardness, Rockwell M	90		BS EN ISO 2039-2:2000
Thermal Properties			
Linear Expansion Coefficients (20 - 100°C)			
Parallel to laminate	5 – 6	$x10^{-5}$/°C	
Normal to Laminate	9 – 10	$x10^{-5}$/°C	
Maximum Operating Temperature	130	°C	

ALL THE ABOVE VALUES ARE TYPICAL

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