

## **Orkot<sup>®</sup> TLM Marine ( TLMM )**

Orkot<sup>®</sup> TLM Marine is a non asbestos laminated material manufactured by impregnating special fabrics with thermosetting resins and incorporates solid lubricants. Orkot<sup>®</sup> TLM Marine possesses exceptional wear resistance and dimensional stability in water with virtually no swell .

### **MECHANICAL PROPERTIES**

TENSILE STRENGTH	60	N/mm <sup>2</sup>
COMPRESSIVE STRENGTH		
Normal to Laminate	300	N/mm <sup>2</sup>
Parallel to Laminate	90	N/mm <sup>2</sup>
FLEXURAL STRENGTH	65	N/mm <sup>2</sup>
FLEXURAL MODULUS	1900	N/mm <sup>2</sup>
HARDNESS ROCKWELL M	100	
DENSITY	1.25	g/cm <sup>3</sup>
IMPACT STRENGTH CHARPY	122	kJ/m <sup>2</sup>
SWELL IN WATER		
( % of wall thickness after 1 year )	<0.1%	

### **THERMAL PROPERTIES**

LINEAR EXPANSION CO-EFFICIENTS		
20-100°C (per ° C X 10 <sup>-5</sup> )		
PARALLEL TO LAMINATE	5 - 6	
NORMAL TO LAMINATE	9 - 10	
MAXIMUM WORKING TEMPERATURE	130 °C	

The information in this data sheet is based on many decades of experience in the manufacture and application of our products. However, unknown parameters and conditions may restrict general statements during usage. It is vital that Customers satisfy themselves as to the suitability of individual products through adequate testing. For this reason, and due to the wide range of applications of our products, Trelleborg can accept no liability as to the suitability or correctness of our recommendations in individual cases. For specific operating conditions please consult your Trelleborg Sealing Solutions technical representative.

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