



Orkot® C380 - METRIC

C380 is manufactured from medium weave fabrics with excellent mechanical strength and possessing dimensional stability when immersed in water, acids and chemicals solutions. C380 grade incorporates P.T.F.E for improved lubricity.

<u>Physical Properties</u>		
Colour	TURQUOISE	
Density	1.25	g/cm ³ BS EN ISO 1183-1:2004
Swell in water (% of wall thickness after 1 year)	0.1	%
<u>Mechanical Properties</u>		
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
<u>Thermal Properties</u>		
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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Based upon our ongoing development programme, Trelleborg Sealing Solutions Rotherham reserve the right to change properties contained within this Material Specification, without further notice.

Trelleborg Sealing Solutions Rotherham
Bradmarsh Business Park, Rotherham, S60 1BX, United Kingdom
Phone +44 1709 789800 www.trelleborg.com