ACM TRIBOGLIDE 15M

ACM TriboGlide 15M (ACM L15M) is a high load composite bearing material constructed from a synthetic fabric reinforced thermoset resin and incorporating a low friction running surface. The material features excellent mechanical strength, together with a very low coefficient of friction.

MECHANICAL PROPERTIES

ULTIMATE COMPRESSIVE STRENGTH

Normal to laminate	375	MPa
Parallel to laminate	150	MPa
Compressive modulus	2,750	MPa
Impact strength	100	kJ m^{-2}
Density	1.30	g cm^{-3}
Hardness	100	Rockwell M
Water swell (at 20 ^{0}c)	< 0.15	%
Coefficient of friction (dry sliding against stainless steel, 15 MPa)	0.07	

The above values are nominal and intended to be used as a guide only. Material testing is caried out in accordance with the relevant standard.

THERMAL PROPERTIES

OPERATING TEMPERATURE

Minimum	-40	^{0}C
Continuous	70	^{0}C
Maximum	130	^{0}C

LINEAR EXPANSION COEFFICIENTS

Normal to laminate	12	10^{-5} / ^{0}C
Parallel to laminate	6	10^{-5} / ^{0}C

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Contact

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