ACM TRIBOGLIDE 15M+

ACM TriboGlide 15M+ (ACM L7/L15MP) is a high load composite bearing material constructed from a synthetic fabric reinforced thermoset resin incorporating a low friction running surface. The material features excellent mechanical strength, together with a very low coefficient of friction.

This material is constructed with standard material (L7) forming the bulk and contributing the mechanical properties, whilst a low friction material (L15) forms the running surface.

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)	0.04	
Pv value (continuous, dry running, consult acm)	0.58	MPa.ms^{-1}

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. Friction testing is performed according to optimum conditions.

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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