ACM TRIBOGLIDE 15P-VE5

ACM TriboGlide 15P-VE5 (ACM L15P-VE5) is a high load composite bearing material constructed from a synthetic fabric reinforced thermoset resin and incorporating a low friction running surface. The material offers excellent mechanical strength, a very low coefficient of friction and enhanced durability where exposure to particulate contamination or abrasive media is present.

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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ACM TRIBOGLIDE 15M