ACM L2 MARINE

ACM L2 Marine is a high load composite bearing material constructed from a synthetic fabric reinforced thermoset resin and incorporating lubricating additives. The material features excellent mechanical strength, together with a low coefficient of friction and is specifically formulated for marine environments.

MECHANICAL PROPERTIES

ULTIMATE COMPRESSIVE STRENGTH

Flatwise (normal to laminate)	375	MPa
Edgewise (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)	0.13 – 0.15	

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

Flatwise (normal to laminate)	5	10^{-5} / ^{0}C
Edgewise (parallel to laminate)	10	10^{-5} / ^{0}C

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Contact

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