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Below are the properties of the aluminium alloy used by Architectural & Metal systems:

ALLOY 6063 – T6 TO EN 755 Part 1-9

Mechanical Properties

YIELD STRENGTH: 180 Mpa
TENSILE STRENGTH: 210 Mpa

Physical Properties

Density	:	2,70 kg/dm ³
Modulus of Elasticity	:	69 GPa
Thermal conductivity	:	200 W/m.K
Electrical resistivity at 20 ⁰ C:	:	32 nΩ.m
Melting range	:	615-655 ⁰ C

Composition

	Min.	Max.
Si :	0,40	0,45
Fe :	0,17	0,20
Cu :		0,02
Mn :		0,03
Mg :	0,40	0,45
Cr :		0,01
Zn :		0,02
Ti :		0,02
Other Elements:	0,03 each	0,15 total