

## SPECIFICATIONS

EN	573-3
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Surface: Precision milled and foiled

V-CAST AlMg3 (EN AW-5754) is a non-ageing wrought alloy with following chemical composition (weight-%, according to EN 573-3). Typical applications are decoratively anodized parts.

## CHEMICAL COMPOSITION

Element	% Present
Magnesium (Mg)	2.6 - 3.6
Manganese (Mn)	0.5 max
Iron (Fe)	0.4 max
Silicon (Si)	0.4 max
Chromium (Cr)	0.3 max
Zinc (Zn)	0.2 max
Titanium (Ti)	0.15 max
Copper (Cu)	0.1 max

## GENERIC PHYSICAL PROPERTIES

Property	Value
Density	2.66 g/cm <sup>3</sup>
Electrical Conductivity	17 - 23 MS/m
Heat Capacity	900 J/kgK
Modulus of Elasticity	70 GPa
Thermal Conductivity	140 - 160 W/m.K
Thermal Expansion	24 x10 <sup>-6</sup> /K

## MECHANICAL PROPERTIES

Property	Value
Elongation A	> 12 %
Hardness Brinell	> 50 HB
Tensile Strength	> 200 MPa
Yield Strength	> 80 MPa

Length and width tolerances of entire plates according to DIN EN 485-3.

\*Flatness tolerances are exclusively measured per meter on entire plates using a digital gauge

Thickness (mm)	Flatness* (mm/m)	Thickness Tolerance (mm)	Roughness depth
6-100	<= 0.4	+ / - 0.1	< 0.4

## PLATE SIZES

\* Less than 6mm and other sizes possible on request

Thickness	from 6mm - 100mm *
Width	1520mm
Length	3020mm / 4000mm

## CONTACT

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## REVISION HISTORY

Datasheet Updated	12 March 2025
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