

VarioSole mounting rails SE

Material - characteristics

Designation according to DIN EN 573-3 ¹⁾: EN-AW-6063 T6 / EN-AW-AlMg0.7Si
 (numerical) (chem. symbol)

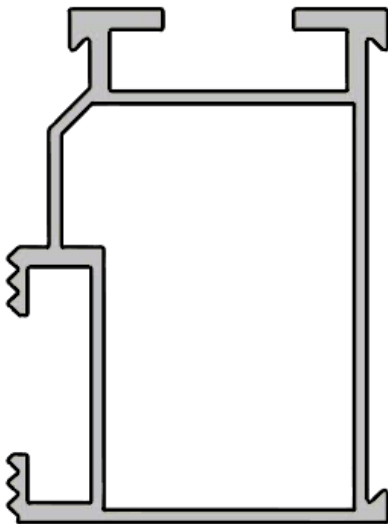
Density	:	ρ	=	2.71 g/cm ³
Thermal expansion coefficient:	:	α_T	=	2.30E-05 1/° C
Thermal conductivity	:	λ	=	200.00 W/mK
E-module	:	E	=	7,000.00 kN/cm ²
Shear module	:	G	=	2,700.00 kN/cm ²

Mechanical properties for EN AW-6063 T6
 Profile wall thickness (3 mm < e < 25 mm)
 according to EN 755-2

Tensile strength $f_{u,k}$ = **21.50 kN/cm²**
Yield point $f_{y,k}$ = **17.00 kN/cm²**

Static values

I_x	=	8.917 cm ⁴
W_x	=	3.440 cm ³
I_y	=	4.452 cm ⁴
W_y	=	2.388 cm ³
A	=	2.747 cm ²
Weight:		742 g/m



h/w = 50/37 mm

1) Norm, 2003-10
 aluminium and aluminium alloys - chemical composition and form of semi-finished products - Part 3: Chemical composition; German version EN 573-3:2003