

TVH® TV 7075 (AA 7075)

Density 2,80 g/cm³

Aluminium alloy according to EU directives: 2000/53/CE (ELV) – 2002/95/CE (RoHS)

Specifications:

TRAID	TVH®	TV 7075
D	DIN 1712/1725	3.4365
USA	A.A.	7075
E	UNE	L 3710

Nominal composition:

Al	Rest
Si	Max. 0,40 %
Fe	Max. 0,50 %
Cu	1,20 – 2,0 %
Mn	Max. 0,30 %
Mg	2,1 – 2,9 %
Cr	0,18 – 0,28 %
Zn	5,1 – 6,1 %
Ti	Max. 0,20 %

TEMPER	PROPERTIES	RESULT	UNIT
T6 Extruded	Breaking load	580	Rm MPa
	Yield point	510	Rp 0,2 MPa
	Elongation	7	%
	Hardness	160	Brinell
T6 Drawn	Breaking load	590	Rm MPa
	Yield point	530	Rp 0,2 MPa
	Elongation	7	%
	Hardness	160	Brinell
	Modulus of elasticity	72.000	MPa
	Thermal expansion	23,50	10 ⁻⁶ / °C
	Thermal conductivity	130	W/(K+m)
Electrical resistivity	0,052	Ω mm ² /m	

MAIN CHARACTERISTICS

High mechanical properties
 High resistance to fatigue
 Good resistance to corrosion
 Protective and decorative anodizing

INDUSTRY APPLICATIONS

Military
 Automotive
 High resistance structural parts

Notice: The information given was made with our knowledge indicating our product's possible applications. Existing commercial patents must be observed. These values represent averages taken from samples, so we reserve the right of technical alterations. We cannot give a legally binding guarantee of certain properties or the suitability for a specific application. The customer is solely responsible for the quality and suitability of products for the application and has to test usage and processing prior to use. Data sheet values are subject to periodic review, the most recent update can be found at www.traidvillarroya.com. Traidamid, TKG and TVH as well as their logos are registered trademarks of the Traid Villarroya group of companies, in Europe and other countries.