

TVH® TV 6082 (AA 6082)

Density 2,71 g/cm³

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

Specifications:

TRAID	TVH®	TV 6082
D	DIN 1712/1725	3.2315
USA	A.A.	6082
E	UNE	-

Nominal composition:

Al	Rest
Si	0,7 – 1,3 %
Fe	Max. 0,50 %
Cu	Max. 0,10 %
Mn	0,4 – 1,0 %
Mg	0,6 – 1,2 %
Cr	Max. 0,25 %
Zn	Max. 0,20 %
Ti	Max. 0,10 %

TEMPER	PROPERTIES	RESULT	UNIT
T6 Extruded	Breaking load	325	Rm MPa
	Yield point	285	Rp 0,2 MPa
	Elongation	10	%
	Hardness	105	Brinell
T6 Drawn	Breaking load	380	Rm MPa
	Yield point	360	Rp 0,2 MPa
	Elongation	10	%
	Hardness	110	Brinell
	Modulus of elasticity	69.000	MPa
	Thermal expansion	24,00	10 ⁻⁶ / °C
	Thermal conductivity	167	W/(K+m)
Electrical resistivity	0,037	Ω mm ² /m	

MAIN CHARACTERISTICS

Medium mechanical properties
 Great resistance to corrosion
 Good weldability properties

INDUSTRY APPLICATIONS

Anti-impact lateral bars
 Door flames
 Hydraulic systems
 Platforms
 Screws and rivets for nuclear plants

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.