

TVH® TV 2024 (AA 2024)

Density 2,79 g/cm³

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

Specifications:

TRAID	TVH®	TV 2024
D	DIN 1712/1725	3.1355
USA	A.A.	2024
E	UNE	L-3140

Nominal composition:

Al	Rest
Si	Max. 0,50 %
Fe	Max. 0,50 %
Cu	3,8 – 4,9 %
Mn	0,3 – 0,9 %
Mg	1,2 – 1,8 %
Cr	Max. 0,1 %
Zn	Max. 0,25 %
Ti	Max. 0,15 %

TEMPER	PROPERTIES	RESULT	UNIT
T3 Extruded	Breaking load	490	Rm MPa
	Yield point	380	Rp 0,2 MPa
	Elongation	8	%
	Hardness	130	Brinell
T3 Drawn	Breaking load	520	Rm MPa
	Yield point	420	Rp 0,2 MPa
	Elongation	10	%
	Hardness	140	Brinell
	Modulus of elasticity	70.000	MPa
	Thermal expansion	23,10	10 ⁻⁶ / °C
	Thermal conductivity	120	W/(K+m)
Electrical resistivity	0,057	Ω mm ² /m	

MAIN CHARACTERISTICS

High mechanical properties
 Great resistance to fatigue

INDUSTRY APPLICATIONS

Screws
 Bolts
 High structural resistance components for aviation industry
 Defence

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.