

TVH® TV 7020 (AA 7020)

Density 2,78 g/cm³

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

Specifications:

TRAID	TVH®	TV 7020
D	DIN 1712/1725	3.4335
USA	A.A.	7020
E	UNE	-

Nominal composition:

Al	Rest
Si	Max. 0,35 %
Fe	Max. 0,40 %
Cu	Max. 0,20 %
Mn	0,05 – 0,5 %
Mg	1,0 – 1,4 %
Cr	0,1 – 0,35 %
Zn	4,0 – 5,0 %
Zr	0,08 – 0,2 %

TEMPER	PROPERTIES	RESULT	UNIT
T6 Extruded	Breaking load	390	Rm MPa
	Yield point	330	Rp 0,2 MPa
	Elongation	12	%
	Hardness	120	Brinell
T6 Drawn	Breaking load	350	Rm MPa
	Yield point	280	Rp 0,2 MPa
	Elongation	10	%
	Hardness	110	Brinell
	Modulus of elasticity	72.000	MPa
	Thermal expansion	23,30	10 ⁻⁶ / °C
	Thermal conductivity	140	W/(K+m)
Electrical resistivity	0,046	Ω mm ² /m	

MAIN CHARACTERISTICS

Medium mechanical properties
 High resistance to fatigue
 Good weldability properties

INDUSTRY APPLICATIONS

Military structures
 Carpentry
 Hydraulic systems
 Heavy vehicles

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 Villarroja group of companies, in Europe and other countries.