

# TVH® TV 6061 (AA 6061)

Density 2,71 g/cm<sup>3</sup>

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

## Specifications:

TRAID	TVH®	TV 6061
D	DIN 1712/1725	3.3211
USA	A.A.	6061
E	UNE	L-3420

## Nominal composition:

Al	Rest
Si	0,4 – 0,8 %
Fe	Max. 0,70 %
Cu	0,15 – 0,4 %
Mn	Max. 0,15 %
Mg	0,8 – 1,2 %
Cr	0,04 – 0,35 %
Zn	Max. 0,25 %
Ti	Max. 0,15 %

TEMPER	PROPERTIES	RESULT	UNIT
T6 Extruded	Breaking load	360	Rm MPa
	Yield point	320	Rp 0,2 MPa
	Elongation	11	%
	Hardness	110	Brinell
T6 Drawn	Breaking load	370	Rm MPa
	Yield point	330	Rp 0,2 MPa
	Elongation	10	%
	Hardness	110	Brinell
	Modulus of elasticity	69.000	MPa
	Thermal expansion	23,50	10 <sup>-6</sup> / °C
	Thermal conductivity	173	W/(K+m)
Electrical resistivity	0,037	Ω mm <sup>2</sup> /m	

## MAIN CHARACTERISTICS

Medium mechanical properties  
 Great resistance to corrosion  
 Good weldability properties

## INDUSTRY APPLICATIONS

Components for railroad  
 Nautical  
 Defence and aviation  
 Stressed structures

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