

TVH® TV 6026 (AA 6026)

Density 2,72 g/cm³

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

Specifications:

| TRAID | TVH® | TV 6026 |
|-------|------|---------|
| USA | A.A. | 6026 |

Nominal composition:

| Al | Rest |
|----|--------------|
| Si | 0,6 – 1,4 % |
| Fe | Max. 0,70 % |
| Cu | 0,20 – 0,5 % |
| Mn | 0,20 – 1,0 % |
| Mg | 0,6 – 1,2 % |
| Cr | Max. 0,30 % |
| Zn | Max. 0,30 % |
| Ti | Max. 0,20 % |
| Pb | Max. 0,40 % |
| Bi | 0,50 – 1,5 % |

| TEMPER | PROPERTIES | RESULT | UNIT |
|------------------------|-----------------------|----------------------|-----------------------|
| T6 Extruded | Breaking load | 380 | Rm MPa |
| | Yield point | 325 | Rp 0,2 MPa |
| | Elongation | 9 | % |
| | 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 | 23,40 | 10 ⁻⁶ / °C |
| | Thermal conductivity | 172 | W/(K+m) |
| Electrical resistivity | 0,039 | Ω mm ² /m | |

MAIN CHARACTERISTICS

Medium-high mechanical properties

Great resistance to corrosion

Good suitability for decorative and industrial hard anodizing

INDUSTRY APPLICATIONS

Automotive industry

Electric

Electronic industry

Hot forging

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.