

7075 T6 Aluminum Sheet

General

Property	Temperature	Value
Density	20.0 °C	3.1 g/cm³

Mechanical

Property	Temperature	Value
Elastic modulus	20.0 °C	72 GPa
Elongation	20.0 °C	6.8 %
Elongation A50	20.0 °C	2 - 11 %
Hardness, Brinell	20.0 °C	150 [-]
Tensile strength	20.0 °C	450 - 570 MPa
Yield strength	20.0 °C	470 MPa
Yield strength Rp0.2	20.0 °C	380 - 505 MPa

Thermal

Property	Temperature	Value
Coefficient of thermal expansion	20.0 °C	2.3E-5 1/K
Melting point		480 °C
Specific heat capacity	20.0 °C	910 J/(kg·K)

Chemical properties

Property	Value
Aluminium	86.9 - 91.4 %
Chromium	0.18 - 0.28 %
Copper	1.2 - 2 %
Iron	0.5 %
Magnesium	2.1 - 2.9 %
Manganese	0.3 %
Other	0.15 %
Silicon	0.4 %
Titanium	0.2 %
Zinc	5.1 - 6.1 %
Zirconium	0.25 %