

# 7075 T62 Aluminum Sheet

## General

Property	Temperature	Value
Density	20.0 °C	<a href="#">3.1 g/cm<sup>3</sup></a>

## Mechanical

Property	Temperature	Value
Elastic modulus	20.0 °C	<a href="#">72 GPa</a>
Elongation	20.0 °C	<a href="#">5.5 %</a>
Elongation A50	20.0 °C	<a href="#">5 - 9 %</a>
Tensile strength	20.0 °C	<a href="#">460 - 570 MPa</a>
Yield strength	20.0 °C	<a href="#">470 MPa</a>
Yield strength Rp0.2	20.0 °C	<a href="#">370 - 505 MPa</a>

## Thermal

Property	Temperature	Value
Coefficient of thermal expansion	20.0 °C	<a href="#">2.3E-5 1/K</a>
Melting point		<a href="#">480 °C</a>
Specific heat capacity	20.0 °C	<a href="#">910 J/(kg·K)</a>
Thermal conductivity	20.0 °C	<a href="#">130 W/(m·K)</a>

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# Chemical properties

Property	Value
Aluminium	<a href="#">86.9 - 91.4 %</a>
Chromium	<a href="#">0.18 - 0.28 %</a>
Copper	<a href="#">1.2 - 2 %</a>
Iron	<a href="#">0.5 %</a>
Magnesium	<a href="#">2.1 - 2.9 %</a>
Manganese	<a href="#">0.3 %</a>
Other	<a href="#">0.15 %</a>
Silicon	<a href="#">0.4 %</a>
Titanium	<a href="#">0.2 %</a>
Zinc	<a href="#">5.1 - 6.1 %</a>
Zirconium	<a href="#">0.25 %</a>

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