

# 3004 O Aluminum Sheet

## Electrical

Property	Temperature	Value
Electrical conductivity	20.0 °C	<a href="#">2.00E+7 - 2.40E+7 S/m</a>

## General

Property	Temperature	Value
Density	20.0 °C	<a href="#">2.72 g/cm<sup>3</sup></a>

## Mechanical

Property	Temperature	Value
Elongation	20.0 °C	<a href="#">25 - 90 %</a>
Tensile strength	20.0 °C	<a href="#">35 - 290 MPa</a>
Yield strength Rp0.2	20.0 °C	<a href="#">20 - 90 MPa</a>

## Thermal

Property	Temperature	Value
Coefficient of thermal expansion	-50.0 °C	<a href="#">2.15E-5 1/K</a>
	100.0 °C	<a href="#">2.32E-5 1/K</a>
	200.0 °C	<a href="#">2.41E-5 1/K</a>

300.0 °C

[2.51E-5 1/K](#)

**Melting point**

[650 °C](#)

**Specific heat capacity**

20.0 °C

[893 J/\(kg·K\)](#)

**Thermal conductivity**

20.0 °C

[160 - 190 W/\(m·K\)](#)

## Chemical properties

Property	Value
Copper	<a href="#">0.25 %</a>
Iron	<a href="#">0.7 %</a>
Magnesium	<a href="#">0.8 - 1.3 %</a>
Manganese	<a href="#">1 - 1.5 %</a>
Silicon	<a href="#">0.3 %</a>
Zinc	<a href="#">0.25 %</a>