

# 3003 Aluminium Sheet

# Data Sheet

## Chemical Composition

Alloy designation	Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
										each	total
3003	Rem	≤0.6%	≤0.7%	0.05%-0.2%	1.0%-1.5%	--	--	≤0.1%	--	≤0.05%	≤0.15%

## Mechanical Property

Alloy	Temper	Tensile Strength MPa		Yield strength (0.2% offset), MPa		Elongation, Min, %		Bend Diameter Factor, N
		min	max	min	max	In 50mm	in 5X diameter	
3003	O	95	130	35	--	14-23	21	0

## Physical Properties

Alloy Temper	Density	Melting Temperature	Coefficient of thermal expansion	Electrical Conductivity at 20°C -equal volume	Thermal Conductivity at 25°C
3003	2.73g/cm <sup>3</sup>	643-655°C	21.50µm/m. °C	50%IACS	193w/m. °C

## Application

3003 is a non-heat-treatable alloy with medium strength and corrosion resistance. Typical applications include food and chemical storage, packaging, appliance components, truck and trailer roofing etc.

