

5005 H34 Aluminium Sheet

Data Sheet

Chemical Composition

Alloy designation	Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
										each	total
5005	Rem	≤0.3%	≤0.7%	≤0.2%	≤0.2%	0.5%-1.1%	≤0.1%	≤0.25%	--	≤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	
5005	H34	140	180	105	--	2-8	--	--

Physical Properties

Alloy Temper	Density	Melting Temperature	Coefficient of thermal expansion	Electrical Conductivity at 20°C -equal volume	Thermal Conductivity at 25°C
5005	2.70g/cm ³	632-655°C	23.75µm/m. °C	52%IACS	201w/m. °C

Application

5005 is a non-heat treatable alloy that has superior finishing characteristics and excellent corrosion resistance and weldability. Typical applications include decorative trim, utensils and reflectors etc.

