



HULAMIN

ROLLED PRODUCTS

5754 Data Sheet

Chemical Composition

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	
min	-	-	-	-	2.6	-	-	-	-	-
max	0.40	0.40	0.10	0.50	3.6	0.30	0.20	0.15	0.03	0.05

Mechanical Properties

Temper	Thickness (mm)	YS, Rp0.2 (MPa)	UTS, Rm (MPa)	A50, (%)	Bend Radius	
					180°	90°
O, H111	> 0.5 to 1.5	80	190 - 240	14	0.5 t	0.5 t
	> 1.5 to 3.0	80	190 - 240	16	1.0 t	1.0 t
H22	> 0.5 to 1.5	130	220 - 270	8	1.5 t	1.0 t
	> 1.5 to 3.0	130	220 - 270	10	2.0 t	1.5 t

Note: Single numbers represent minimum values.

Physical Properties

Property	Value	Unit
Density	2.66	g/cm ³
Melting Point	595-645	°C
Thermal Conductivity	147	W/m. K
Thermal Expansion	24x10 ⁻⁶	/°C
Resistivity	49	nΩ .m
Modulus of Elasticity	68	GPa
Modulus of Rigidity	26.5	GPa

Formability

Good

Weldability

Excellent

Machinability

Fair

Corrosion Resistance

Excellent

Applications

General engineering products requiring high strength, Buildings, Food Industry, Automotive Components.

Specifications

As per Active Product Menu (APM).