



HULAMIN

ROLLED PRODUCTS

5052 Data Sheet

Chemical Composition

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	
									Each	Total
min	-	-	-	-	2.2	0.15	-	-		
max	0.25	0.4	0.1	0.1	2.8	0.35	0.1	-	0.05	0.15

Mechanical Properties

Temper	Thickness (mm)	YS, Rp0.2 (MPa)	UTS, Rm (MPa)	A50, (%)
H32	0.4 - 0.63	160	215-265	4
	0.63 - 1.2	160	215-265	5
	1.2 - 6.3	160	215-265	7
H34	1.2 - 3.2	180	235-285	6

Note: Single numbers represent minimum values.

Recommended Minimum Bend Radii for 90 - Degree Cold Forming of Sheet

Radii for various thicknesses expressed in terms of thickness "t"							
Temper	0.4 mm	0.8 mm	1.6 mm	3.2 mm	4.8 mm	6.0 mm	10 mm
H32	0t	0t	1t	1½t	-	-	-
H14	0t	1t	1½t	2t	-	-	-

Physical Properties

Property	Value	Unit
Density	2.68	g/cm ³
Melting Point	607-650	°C
Thermal Conductivity	138	W/m. K
Thermal Expansion	23.8x10 ⁻⁶	/°C
Resistivity	50	nΩ .m
Modulus of Elasticity	70	GPa
Modulus of Rigidity	26.3	GPa

Formability

Good cold formability

Weldability

Very good

Corrosion Resistance

Very good corrosion resistance to seawater and marine and industrial atmosphere.

Applications

Sheet Metal Work, Architectural Paneling, Hydraulic Tube, Trucks, Appliances.

Specifications

As per Active Product Menu (APM).