



HULAMIN

ROLLED PRODUCTS

1050 Data Sheet

Chemical Composition

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	
									Each	Total
min	-	-	-	-	-	-	-	-		
max	0.25	0.4	0.05	0.05	0.05	-	0.07	0.05	0.03	-

Mechanical Properties

Temper	Thickness (mm)	YS, Rp0.2 (MPa)	UTS, Rm (MPa)	A50, (%)	Bend Radius	
					180°	90°
O	> 0.2 to 0.5	20	65-95	20	0 t	0 t
	> 0.5 to 1.5	20	65-95	22	0 t	0 t
	> 1.5 to 3.0	20	65-95	26	0 t	0 t
H14	> 0.2 to 0.5	85	105-145	2	1.0 t	0 t
	> 0.5 to 1.5	85	105-145	2	1.0 t	0.5 t
	> 1.5 to 3.0	85	105-145	4	1.0 t	1.0 t
	> 3.0 to 6.0	85	105-145	5		1.5 t

Note: Single numbers represent minimum values.

Physical Properties

Property	Value	Unit
Density	2.71	g/cm ³
Melting Point	640-660	°C
Thermal Conductivity	222	W/m. K
Thermal Expansion	23.5x10 ⁻⁶	/°C
Resistivity	28.2	nΩ .m
Modulus of Elasticity	69	GPa

Formability

Very Good

Weldability

Very Good

Machinability

Poor

Corrosion Resistance

Very Good

Applications

General Sheet Metal Work, Automotive Industry, Chemical Process Plant Equipment, Pharmaceutical Industry, Kitchenware, Packaging, Architecture, Appliances, Panelling, Electrical Devices, Boiler Making.

Specifications

As per Active Product Menu (APM).