



HULAMIN

ROLLED PRODUCTS

5182 Data Sheet

Chemical Composition

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others		Al
									Each	Total	
min	-	-	-	0.2	4.85	-	-	-			Bal
max	0.2	0.35	0.15	0.5	5.0	0.1	0.14	0.1	0.05	0.15	

Mechanical Properties

Temper	UTS (MPa)	YS, (MPa)	% Elongation	Bend Radius
	(minimum)	(minimum)	(minimum)	(90° bend)
O, H11	280	125	26	1t

Physical Properties

Property	Value	Unit
Density	2.64	g/cm ³
Thermal Conductivity at 25°C	123	W/m.K
Electrical Conductivity	18	μs/m
Modulus of Elasticity	70	GPa
Coefficient of linear expansion	23.2 x 10 ⁻⁶	/°C
Melting Range	575 to 640	°C

Formability

Very Good

Weldability (TIG/MIG)

Very Good

Recommended filler alloy for TIG/MIG

5183 preferred also 5356