

Chemical Composition Limits (in %)

Cu	Si	Fe	Mn	Zn	Other elements	
					Each	Total
0,05 0,2	0,6	0,7	1,0 1,5	0,1	0,05	0,15

Outstanding Characteristics:

Compared with 3103, improved resistance against pitting corrosion.
Easily shaped by pressing and forming. Very good finishing properties.

Standard Commodities:

Sheet, strip, circles

Typical Uses:

Domestic appliances. Car trim applications. Foil.

Typical Physical Properties

Density	2,73	g/cm ³
Modulus of Elasticity	70	GPa
Modulus of Rigidity	26,5	GPa
Melting Range	643-654	°C
Specific heat between 0-100°C (273-373 K)	0,92	J/gK
Coefficient of linear expansion between 20-100°C (293-373K)	23 x 10 ⁻⁶	/K
Thermal Conductivity at 25°C (298 K)	151-188	W/mK
Resistivity at 20°C (293 K)	0,034 x 10 ⁻⁶	Ωm

Other Characteristics

Corrosion Resistance	:	Very Good
Weldability	:	Very Good
Formability	:	Very Good
Anodising	:	Very Good
Brazeability	:	Excellent

Mechanical Properties

Commodity and Temper	Gauge mm	0,2% Proof Stress MPa	Ultimate Tensile Strength Mpa	Elongation A5 %	Brinell Hardness HB	Ultimate Shear Strength MPa
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Extrusions

F			90	(15)*
O			90	

Sheet

F	0,2-12,5	35 (-) 245	95 (-) 250	
O	0,2-6,0	35 (-) 70	95 (-) 130	25*
H12	0,1-6,0	85 (-) 130	120 (-) 160	6-8*
H18	0,2-6,0	165 (-) 225	185 (-) 230	4*

Foil

O	0,08-0,15	35	95 (-) 130
H113	0,08-0,15	45	- (-) 140

*50 mm gauge length; sheet thickness over 1,3-2,6 mm

NOTE: Corresponding H.2 tempers also available subject to agreement of properties between client and supplier.

Annealing

Temperature °C	Time h
400 ± 3	Until all parts have attained the annealing temperature