



GP17 (9017 H12)

Data Sheet January 2006

GP17 Sheet and Coil Products

This alloy is registered in EN 573-3 as 4017.

Property Specifications

Mechanical Properties

Temper	Proof (Mpa) minimum	UTS (Mpa)	% Elong.
H12	95	115 up to 155	3

Chemical Composition

(% Max except where a range is given)

Si	Fe	Cu	Mn	Mg	Zn	Other	Other Total	Al
0.6 - 1.6	0.7	0.10 - 0.50	0.6 - 1.2	0.10 - 0.50	0.2	0.05	0.15	Rem

Technical Data

Density at 20°C	2.72kg/dm ³
Melting Range	560 - 640°C
Thermal Capacity	900j/kg x °C
Thermal Conductivity	200W/m x °C
Thermal Expansion	23 x 10 ⁻⁶ / °C ⁻¹
Resistivity at 20°C	32 nΩm
Modulus of Elasticity	70GPa
Modulus of Rigidity	27GPa

Surface Treatment:

All types of coatings can be used on this product. When anodised the surface will be a little darker than 3XXX alloys under identical conditions.

Formability:

GP17 has the same bending capability as 1200H14.

Weldability:

This product can be welded by MIG, TIG, laser and high frequency methods. Recommended welding wire is 4043. Other wires can however also be used.

Typical Uses:

General sheet metal work where good strength and formability is required, for example: ducting, cabinet making, pipe cladding, sign making, stamped parts, automotive components, building products such as roof and decorative assemblies in architectural structures. These are just some of the uses.

Availability: Sheet (dimensions in mm)

Thickness Range	Width Range	Length Range
0.7 - 3.0	1200 - 1525	500 - 7000

Coils(dimensions in mm)

Thickness Range	Width Range
0.7 - 3.0	1200 - 1525

Note: Other specifications may be offered but are subject to enquiry.

