Chemical composition

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti		Others
Minimum				0,40	4,00	0,05			Ti+Zr	
Maximum	0,40	0,40	0,10	1,00	4,90	0,25	0,25	0,15	0,20	0,15

Mechanical properties

Breaking load Rm N/mm²	Elastic limit $R_{p\ 0.2}$ N/mm²	Elongation at 5.65%	Fatigue limit N/mm²	Shear strength τ N/mm²	Brinell (Hardness HB)
240-280	125-190	10			70

Physical properties

Modulus of elasticity N/mm²	Specific weight g/cm³	Melting temperature ºC	Linear expansion coefficient 1/10⁶K	Thermal conductivity W/mK	Electrical resistivity at 20ºC - μΩ cm	Electrical conductivity% IACS	Dissolution potential V
70.000	2,66	580-640	23,3	117	6	16,2	

Technological suitabilities

Welding		Anodized		Natural behaviour		Coating	
Under flame	**MB**	For protection	**MB**	Atmospheric agents	**MB**	Galvanized	**B**
To low arc (TIG-MIG)	**MB**	Decoration	**R**	Marine environment	**MB**	Electroless nickel	**B**
Resistance	**MB**	Hard	**MB**				
Brazed	**M**			**Mechanization**	**B**		

TOLERANCES

Thickness in mm	Flatness mm/m	Tolerance in thickness	Roughness
5	≤ 0,80	± 0,1	0,4 μm R_a
6 – 12,7	≤ 0,40	± 0,1	0,4 μm R_a
>12,7	≤ 0,13	± 0,1	0,4 μm R_a

PRODUCT	Observations and applications
Aluminium plate milled and plastified on both sides.	One of its main characteristics is that it is stress-free and thus remains stable during the machining process. Its main applications are: high precision parts, electronic components, automobile industry, computers, pneumatics, manufacture of machinery for packaging etc.