Alloys

Improved properties for your profiles

The great capabilities of the company at the level of aluminium extrusion are reflected in the wide range of alloys that we use as standard and that are made available to the needs of the different industrial sectors that we serve, such as energy, construction, infraestructures, automotive or transport.

1070A	5XXX	6060	6063	6101	6463	7020
3XXX	6005	6061	6082	6106	7003	

Alloy design	Alloy type	Temper	Wall thickness *t* mm	Tensile strength* (R_m MPa)	Yield strength* ($R_{p0,2}$ MPa)	A* %
1070A	Al 99,7(A)	F, H112	-	60	23	25
6005 6005A	Al SiMg Al SiMg(A)	T4 open section	⩽25	180	90	15
		T6 open section	⩽5 5 < *t* ⩽ 10 10 < *t* ⩽ 25	270 260 250	225 215 200	8 8 8
		T4 closed section	⩽10	180	90	15
		T6 closed section	⩽5 5 < *t* ⩽ 15	255 250	215 200	8 8
6060	Al MgSi	T4	⩽25	120	60	16
		T5	⩽5 5 < *t* ⩽ 25	160 140	120 100	8 8
		T6	⩽5 5 < *t* ⩽ 25	190 170	150 140	8 8
6061	Al Mg1SiCu	T4	⩽25	180	110	15
		T6	⩽5 5 < *t* ⩽ 25	260 260	240 240	9 10
6063	Al Mg0.7Si	T4	⩽25	130	65	14
		T5	⩽10 10 < *t* ⩽ 25	175 160	130 110	8 7
		T6	⩽10 10 < *t* ⩽ 25	215 195	170 160	8 8
6082	Al Si1MgMn	T4	⩽25	205	110	14
		T5 open section	⩽5	270	230	8
		T6 open section	⩽5 5 < *t* ⩽ 25	290 310	250 260	8 10
		T5 closed section	⩽5	270	230	8
		T6 closed section	⩽5 5 < *t* ⩽ 15	290 310	250 260	8 10
6101B	Al MgSi(B)	T6	⩽15	215	160	8
6106	Al MgSiMn	T6	⩽10	250	200	8

*Minimum values according to standard UNE-EN 755-2:2016.