

AMAG rolled products delivery programme: coil, slit coil, sheet

Alloy	Temper	Tensile strength R _m [MPa]		Yield strength R _{p0.2} [MPa]		Elongation A50 [%]	Weldability		Corrosion resistance			
		Min.	Max.	Min.	Max.		Typical	MIG	FSW	General	Inter-granular	Exfoliation
6016	T4 ^{e)}	170	250	80	140	27	+	+	+	+	+	+
	T6	260	300	180	260	14	+	+	+	+	+	+
6181	T4 ^{e)}	200	240	100	140	24	+	+	+	+	+	+
6981 ^{d)}	T4 ^{e)}	> 250		100	140	26	+	+	+	+	+	+
6082	T4 ^{e)}	> 205		> 110		23	+	+	+	+	+	+
	T6	> 310		> 260		12	+	+	+	+	+	+
6009	T4	200	260	100	140	23	+	+	0	+	+	+
6061	T4	> 205		> 110		23	+	+	0	+	+	+
	T6	> 290		> 240		12	+	+	0	+	+	+
2024	T3	> 435		> 290		18	-	+	-	+	0	0
	T4	> 425		> 275		19	-	+	-	+	0	0
	T8	> 460		> 400		8	-	+	-	+	-	-
7020	T4	> 320		> 210		20	+	+	0	0	0	0
	T6	> 350		> 280		10	+	+	0	0	0	0
7075	T6	> 540		> 470		12	-	+	-	0	0	-
	T76	> 500		> 425		13	-	+	0	0	0	0
	T73	> 460		> 385		14	-	+	0	0	0	0
5754 ^{a) b)}	O/H111	190	240	> 80		24	+	+	+	+	+	+
5182 ^{a) b)}	O/H111	255	315	> 110		24	+	+	+	0	0	0
5083 ^{c)}	O/H111	275	350	> 125		22	+	+	+	0	0	0
	H19	> 400		> 350		8	+	+	+	0	0	0

^{a)} Special deep drawing quality

^{b)} Also available in stretcher strain free version (SSF)

^{c)} Also available in a special version for super-plastic-forming

^{d)} AMAG material, not standardised according to AA

^{e)} Also available in a fast hardening version

Rated thickness [mm]		Guaranteed thickness tolerance ^{a)}
From	To	
0.4	0.6	± 0.03
0.6	1.0	± 0.04
1.0	1.2	± 0.05
1.2	1.8	± 0.06
1.8	2.5	± 0.07
2.5	3.0	± 0.08
3.0	3.5	± 0.09
3.5	4.0	± 0.10
4.0	6.0	± 0.12

^{a)} In relation to cold strip with a rolling width of 1,600 mm



Product / dimension	Thickness [mm]		Width [mm]	Length [mm]	
	From	To		From	To
Hot rolled coil	4.0	12.0	max. 1,680	-	-
Cold rolled coil	0.4	6.0	max. 1,620	-	-
Slit coil	0.4	4.0	min. 50	-	-
Sheet	0.4	8.0	380 – 1,620	400	7,000

Surfaces. Mill finish and EDT, thermally degreased, chemically degreased, oiled, various dry lubricants available.

This is a selection from our delivery portfolio.

Rounds and tailored blanks on request. Other alloys and tempers, special dimensions and tolerances on request.