



Table of properties

for semi-finished rolled aluminium goods

Standard Alloys – Chemical Composition

Alloy EN AW EN 573-3	max. content in percent by weight									
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other each	Other total
1050A	0.25	0.40	0.05	0.05	0.05		0.07	0.05	0.03	
1200	1.0 Si+Fe		0.05	0.05			0.10	0.05	0.05	0.15
3003	0.60	0.70	0.05–0.2	1.0–1.5			0.10		0.05	0.15
3103	0.50	0.70	0.10	0.9–1.5	0.30	0.10	0.20		0.05	0.15
3004	0.30	0.70	0.25	1.0–1.5	0.8–1.3		0.25		0.05	0.15
3104	0.60	0.80	0.05–0.25	0.8–1.4	0.8–1.3		0.25	0.10	0.05	0.15
3005	0.60	0.70	0.30	1.0–1.5	0.2–0.6	0.10	0.25	0.10	0.05	0.15
3105	0.60	0.70	0.30	0.3–0.8	0.2–0.8	0.20	0.40	0.10	0.05	0.15
5005	0.30	0.70	0.20	0.20	0.5–1.1	0.10	0.25		0.05	0.15
5005A	0.30	0.45	0.05	0.15	0.7–1.1	0.10	0.20		0.05	0.15
5049	0.40	0.50	0.10	0.5–1.1	1.6–2.5	0.30	0.20	0.10	0.05	0.15
5251	0.40	0.50	0.15	0.1–0.5	1.7–2.4	0.15	0.15	0.15	0.05	0.15
5052	0.25	0.40	0.10	0.10	2.2–2.8	0.15–0.35	0.10		0.05	0.15
5454	0.25	0.40	0.10	0.5–1.0	2.4–3.0	0.05–0.2	0.25	0.20	0.05	0.15
5754*	0.40	0.40	0.10	0.50	2.6–3.6	0.30	0.20	0.15	0.05	0.15
5086	0.40	0.50	0.10	0.2–0.7	3.5–4.5	0.05–0.25	0.25	0.15	0.05	0.15
5182	0.20	0.35	0.15	0.2–0.5	4.0–5.0	0.10	0.25	0.10	0.05	0.15
5083	0.40	0.40	0.10	0.4–1.0	4.0–4.9	0.05–0.25	0.25	0.15	0.05	0.15
8011A	0.4–0.8	0.5–1.0	0.10	0.10	0.10	0.10	0.10	0.05	0.05	0.15
6061	0.4–0.8	0.70	0.15–0.4	0.15	0.8–1.2	0.04–0.35	0.25	0.15	0.05	0.15
6082	0.7–1.3	0.50	0.10	0.4–1.0	0.6–1.2	0.25	0.20	0.10	0.05	0.15

*Mn + Cr = 0.10–0.60 %

Other alloys of 1xxx-, 3xxx-, 5xxx-, 6xxx-, and 8xxx-series on request.

Conversion Factors

1 mm	=	0.0394 in.	1 in.	=	25.399 mm	1 MPa	=	1 N/mm ²				
1 m	=	3.281 ft.	1 ft.	=	12 in.	=	304.799 mm	1 MPa	=	145.04 lb./sq. in.		
1 mm ²	=	0.00155 sq. in.	1 sq. in.	=	645.16 mm ²	1 MPa	=	0.14505 ksi				
1 m ²	=	10.764 sq. ft.	1 sq. ft.	=	144 sq. in.	=	0.093 m ³	1 ksi	=	1000 psi	=	6.895 MPa
1 mm ³	=	0.000061 cu. in.	1 cu. in.	=	16386.979 mm ³	1 lb./sq. in.	=	1 psi	=	0.006895 N/mm ²		
1 m ³	=	35.315 cu. ft.	1 cu. ft.	=	1728 cu. in.	=	0.0283167 m ³	1 N/mm ²	=	145.04 psi		
1 kg	=	2.205 lb.	1 lb.	=	0.45359 kg	°F	=	9/5 x °C + 32°				
1 kg/dm ³	=	62.43 lb./cu. ft.	1 lb./cu. ft.	=	0.01602 kg/dm ³	°C	=	5/9 x (°F - 32°)				

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Recycling: A key advantage of aluminium lies in its outstanding recycling properties.



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