

Description according to DIN EN 573-3		Remarks	Corrosion resistance *	Weldability *	Specific characteristics	Typical applications
Numeric	Chemical					
EN AW-1050A	Al99,5		Weather: 2 Sea water: 3	Gas: 2 WIG: 2 MIG: 3	Good corrosion resistance, very good formability, high thermal – and good electrical conductivity, good for brazing and welding, good for coating	Chemical industry, food industry, packaging, impact extrusions
EN AW-1070A	Al99,7		Weather: Sea water:	Gas: 2 WIG: 2 MIG: 3	Good corrosion resistance, very good formability, high thermal – and good electrical conductivity, good for brazing and welding, good for coating	Chemical industry, food industry, packaging, impact extrusions
EN AW-1100	Al99,0Cu		Weather: Sea water:	Gas: WIG: MIG:	Good formability	Packaging, impact extrusions
EN AW-1350A	EAl99,7		Weather: 2 Sea water: 3	Gas: 2 WIG: 2 MIG: 3	Good corrosion resistance, very good formability, very high thermal – and very good electrical conductivity, good for brazing and welding, good for coating	Electronical industry, chemical industry
EN AW-3003	AlMn1Cu		Weather: 1 Sea water: 2	Gas: 2 WIG: 2 MIG: 3	Very good corrosion resistance, good formability, good for brazing and welding, self-hardening	Construction, chemical industry, food industry, hardware, furniture
EN AW-3004	AlMn1Mg1		Weather: 1 Sea water: 1	Gas: WIG: MIG:	Very good corrosion resistance, good formability, good for brazing and welding, self-hardening	Construction, food industry
EN AW-3102	AlMn0,2	ON REQUEST	Weather: Sea water:	Gas: WIG: MIG:	Very good corrosion resistance, good formability, good for brazing and welding	Packaging (high strength alloy)
EN AW-3103	AlMn1		Weather: 1 Sea water: 2	Gas: 2 WIG: 2 MIG: 3	Very good corrosion resistance, good formability, good for brazing and welding, self-hardening	Automotive, building construction, chemical industry, food industry, thermal engineering, refrigeration technology, hardware
EN AW-5005A	AlMg1(C)		Weather: 1 Sea water: 2	Gas: 2 WIG: 2 MIG: 2	Very good corrosion resistance, good formability, decorative anodization, good for brazing and welding, good for chipping, self-hardening	Naval architecture, mechanical engineering, construction, chemical industry, food industry, furniture, thermal engineering, refrigeration technology
EN AW-5210	Al99,9Mg0,5	ON REQUEST	Weather: Sea water:	Gas: WIG: MIG:	Very good corrosion resistance, decorative anodization, shining quality	Prime metal use, highly decorative applications
EN AW-5754	AlMg3		Weather: 1 Sea water: 1-2	Gas: 2 WIG: 1 MIG: 1	Very good corrosion resistance, good formability, decorative anodization, very good for brazing and welding, good for chipping, self-hardening	Naval architecture, mechanical engineering, pressure tanks, building construction, nuclear industry, chemical industry, food industry, furniture, automotive
EN AW-6005	AlSiMg		Weather: 1 Sea water: 2	Gas: 3 WIG: 2 MIG: 1	Very good corrosion resistance, good for brazing and welding, hardenable	Railway vehicle industry, naval architecture, precision technology, mechanical engineering, building construction, electronical engineering, optical technology, furniture, automotive

* Corrosion + Welding: Aluminum raw material data sheets (rating scale: 1 = excellent; 2 = good; 3 = acceptable; 4 = insufficient; 5 = not recommendable; 6 = not qualified)

Additional alloys, physical conditions and informations are available on request.

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Numeric	Chemical					
EN AW-6005A	AlSiMg(A)		Weather: 1 Sea water: 2	Gas: 3 WIG: 2 MIG: 1	Very good corrosion resistance, good for brazing and welding, hardenable	Railway vehicle industry, naval architecture, precision technology, mechanical engineering, building construction, electrical engineering, optical technology, furniture, automotive
EN AW-6056	AlSi1Mg-CuMn		Weather: Sea water:	Gas: WIG: MIG:	Good corrosion resistance, good formability, high stability, hardenable	Automotive, engineering, vehicle construction, (safety parts)
EN AW-6060	AlMgSi		Weather: 1 Sea water: 2	Gas: 3 WIG: 2 MIG: 2	In 3 variations: bending quality, anodizing quality, optimized stability, very good corrosion resistance, good for brazing and welding, good formability, decorative anodization, hardenable	Architecture, vehicle construction, mechanical engineering, building construction, electrical engineering, furniture, thermal engineering, refrigeration technology
EN AW-6061	AlMg1SiCu(A)		Weather: 2 Sea water: 2-3	Gas: 3 WIG: 2 MIG: 1	Good corrosion resistance, good formability, good for brazing and welding, hardenable	Railway vehicles, naval architecture, mechanical engineering, vehicle construction, bridge construction, aerospace
EN AW-6063	AlMg0,7Si		Weather: 2 Sea water: 2-3	Gas: 3 WIG: 2 MIG: 1	Good corrosion resistance, good for brazing and welding, good formability, hardenable	Architecture, mechanical engineering, building construction, electrical engineering, furniture, thermal engineering, refrigeration technology
EN AW-6082	AlSi1MgMn		Weather: 1 Sea water: 2	Gas: 3 WIG: 2 MIG: 1	In different variations: very good corrosion resistance, good for brazing and welding, high stability, good resistance to recrystallization, hardenable	Forging parts, automotive, nuclear technology, railway vehicle industry, naval architecture, bridge construction, aerospace, rivets, screws (safety parts)
EN AW-6082A	AlSi1MgMn		Weather: 1 Sea water: 2	Gas: 3 WIG: 2 MIG: 1	Very good corrosion resistance, good for brazing and welding, high stability, good resistance to recrystallization, hardenable	Forging parts, automotive, nuclear technology, railway vehicle industry, naval architecture, bridge construction, aerospace, rivets, screws (safety parts)
EN AW-6182	AlSi1MgZr	ON REQUEST	Weather: 1 Sea water: 2	Gas: 3 WIG: 2 MIG: 1	Very high static and dynamic stability, very good corrosion resistance, good resistance to recrystallization, hardenable	Forging parts, automotive, bicycles, mechanical engineering (safety parts)
EN AW-6101B	EA1MgSi(B)		Weather: 1 Sea water: 2	Gas: 3 WIG: 2 MIG: 2	High electrical conductivity, very good corrosion resistance, good formability, good for brazing and welding, hardenable	Electronics industrie, thermal engineering, refrigeration technology
EN AW-6261	AlMg1Si-CuMn	ON REQUEST	Weather: Sea water:	Gas: WIG: MIG:	hardenable	Mechanical engineering, furniture

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