

Data Sheet:		Internal alloy name: 5754											
EN AW 5754 – Cast Milled		International alloy name : EN AW 5754											
Alumeco A/S		Chemical Symbol: EN AW – AlMg3											
		DIN-Werkstoff no.: 3.3535											
		Alloy type: Non heat treatable alloy											
Main usage:	Main properties:	Important norms and literature:											
<ul style="list-style-type: none"> Molds Machines and machines parts Marine applications Application for bending Facade and building industry Can be used in the food industry 	<ul style="list-style-type: none"> Good machining abilities High corrosion resistance Good weld abilities 	EN 487 – Rolling ingots - specifications Usages: EN 13195: Specifications for wrought products for marine applications EN602- Wrought products - Chemical composition of semi-finished products for the used for the fabrication of articles for use in contact with foodstuff.											
Chemical composition. EN573-3:2013													
Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Remarks	Other elements				
									Each	together			
0,4	0,4	0,10	0,5	2,6-3,6	0,30	0,20	0,15	Mn + Cr 0.1 - 0.6	0,05	0,15			
Typical mechanical properties (information only).													
Thickness range (mm)	Temper	Rm MPa	Rp0.2 MPa	A _{50 mm} %	Hardness HB	Bend radius							
						180°	90°						
All	O3 - Cast and homogenized	Min. 180	Min. 72	Min. 10	Min. 50	N/A	N/A						
Physical properties:													
Density g/cm ³	Solidification range °C	Electrical conductivity %IACS	Thermal conductivity W/m K	Thermal expansion (µm m ⁻¹ K ⁻¹)	Annealing temperature	E - modulus (N / mm ²)							
2,66	610 - 640	32,5	132	23,7	330 – 360 °c	70.500							
Typical Alumeco products with this alloy													
<ul style="list-style-type: none"> sheet and plates 3/5 and 5/7 tread plate. 													
Properties and information's (3 high/good; 2 Middle; 1 Poor/bad)													
<u>Resistance:</u> Corrosion index, general: 3 Marine Atm. Corr index: 3 <u>Hot workability:</u> Extrusion: 2 Forging: 2 <u>Cold formability:</u> Cold formability general: 2 Deep drawing: 2 Bending: 2 – 3 (Depending on the temper)			<u>Weldability</u> TIG welding: 3 MIG welding: 3 <u>Solderability</u> Brazability index: 1 Solderability index: 1			<u>Machinability</u> Machinability index: 3 <u>Tips on machinability:</u> N/A.			<u>Anodizing:</u> Decorative anodizing surface treatment: 1 Protective anodizing index: 3 Hard anodizing: 3 Color anodizing: 2 <u>General Information:</u> Decorative Anodizing cannot be recommended due to the composition of the alloy and that it is cast, not rolled.				