



## Material specifications for alloy AlMgSi 0.5 F22 according to EN 755

Conditions	Nominal thickness mm over                      till	Tensile strength $R_m$ N/mm <sup>2</sup>		0.2 % offset yielding stress MPA		Breaking elongation %		Eloxal quality	Hardness HB	Easily welded
		min.	max	min.	max.	$A_{50mm}$	A			
Extruded profiles  DIN 1748T, 1	3 < e                      ≤ 25	195	-	150	-	6	8	conditional DIN 17611	70	Gas 3 Wig 2 Mig 2

Resistance to salt water	2	<b>Designation:</b>  <b>DIN 1725T,1:</b> <b>AlMgSi 0.5</b>  <b>Material No.:</b> <b>3.3206</b>  <b>International alloy register:</b> <b>6060</b>  <b>ISO:</b> <b>Al-MgSi (6060)</b>  <b>Variations:</b> <b>B083 and 6063 A</b>  <b>France:</b> <b>6060 (A-GS)</b>  <b>Great Britain:</b> <b>(6063/H9)</b>  <b>Italy:</b> <b>90 06/1 F-AlMgSi</b>
Resistance to atmospheric corrosion	1	
Density in g/cm <sup>3</sup>	270	
Solidification range in °C	585 - 850	
Electric conductivity in m/Ω mm <sup>2</sup>	≥ 30	
Thermal conductivity in W/m·K	210	
Thermal expansion in 10 <sup>-6</sup> · 1/K	23.5	
Young's modulus N/mm <sup>2</sup>	~ 70000	