

## Material - UNE EN 1676 AB-44100

**Standard Specification for Aluminium and Aluminium Alloys - Alloyed Ingots for Remelting**

**Group - Non-Ferrous Aluminium Alloy**

**Sub Group - UNE EN 1676 for Aluminium and Aluminium Alloys - Alloyed Ingots for Remelting**

**Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries**

**Grade Belongs to the Industry - Ingot and Casting**

Chemical Composition			Heat Treatment	
Copper	Cu %	0.100 max.	As-Cast	
Iron	Fe %	0.550 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.550 max.		
Silicon	Si %	10.000 - 13.500		
Titanium	Ti %	0.150 max.		
Lead	Pb %	0.100 max.		
Zinc	Zn %	0.150 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AB-44100	DIN	Germany	Ingot and Casting
EN AB-44100	BS	British	Ingot and Casting
EN AB-44100	SFS	Finland	Ingot and Casting
Al Si12(b)	ISO	International	Casting
EN AB-44100	UNI	Italy	Ingot and Casting
EN AB-44100	CSN	Czech Republic	Ingot and Casting
EN AB-44100	BDS	Bulgaria	Ingot and Casting