



Material - CSN EN 1706 AC-Al Si5Cu3

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - CSN EN 1706 Aluminium and Aluminium Alloys - Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	2.600 - 3.600	As-Cast	
Iron	Fe %	0.600 max.		
Magnesium	Mg %	0.050 max.		
Manganese	Mn %	0.550 max.		
Nickel	Ni %	0.100 max.		
Silicon	Si %	4.500 - 6.000		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.200 max.		
Other	Ot%	0.150 max.	Mechanical Properties	
Aluminium	Al %	Balance	Tensile Strength in Mpa	230 min.
-	-	-	Yield Strength in Mpa	110 min.
-	-	-	Elongation in %	6 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	75 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
4223	IS	India	Ingot and Casting
Al Si5Cu3	ISO	International	Casting
EN AC-45400	DIN	Germany	Casting
LM22	BS	British	Ingot and Casting
EN AC-45400	SFS	Finland	Casting
EN AC-45400	ONORM	Australia	Casting
EN AC-45400	MSZ	Hungary	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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