



Material - ANSI/AA F3N.20S-F

Specification Standards for Die Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - ANSI/AA for Die Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Silicon	Si %	9.500 - 10.500	As-Cast	
Iron	Fe %	0.800 - 1.200		
Copper	Cu %	0.200 max.		
Magnesium	Mg %	0.500 - 0.700		
Manganese	Mn %	0.500 - 0.800		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.050 max.		
Other	Other %	0.100 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	303 min.
-	-	-	Yield Strength in Mpa	248 min
-	-	-	Elongation in %	0.5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRB	73 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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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