

# 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	Ot%	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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