



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ANSI/AA F3N.10S-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		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      310 min. Yield Strength in Mpa      221 min. Elongation in %      0.9 min. Reduction of Area in %      - Hardness in HRB      56 min. Impact in Joule      -	
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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](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**