



## Material - IS 7793 4928-A

### Standard Specification for Aluminium Alloys for IC Engine Pistons

Group - Non-Ferrous Aluminium Alloy

Sub Group - IS 7793 for Aluminium Alloys for IC Engine Pistons

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.800 -1.500	As-Cast	
Iron	Fe %	0.700 max.		
Magnesium	Mg %	0.800 - 1.300		
Manganese	Mn %	0.200 max.		
Nickel	Ni %	0.800 - 1.300		
Lead	Pb %	0.050 max.		
Silicon	Si %	17.000 - 19.000		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	1.000 max.		
Aluminium	Al %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      175 - 215 Yield Strength in Mpa      - Elongation in %      - Reduction of Area in %      - Hardness in HB      90 - 125 Impact in Joule      -	
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-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM28	BS	British	Ingot and Casting
49285	IS	India	Casting
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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)**

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