



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

## Material - UNE EN ISO 18273 AlSi10Mg

**Standard Specification for Wires and Rods for Welding of Aluminium and Aluminium**

**Group - Non-Ferrous Aluminium Alloy**

**Sub Group - UNE EN ISO 18273 Wires and Rods for Welding of Aluminium and Aluminium Alloys**

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

**Grade Belongs to the Industry - Wire and Rod**

Chemical Composition			Heat Treatment	
Copper	Cu %	0.030 max.	As-Cast	
Iron	Fe %	0.500 max.		
Magnesium	Mg %	0.200 - 0.500		
Manganese	Mn %	0.400 max.		
Silicon	Si %	9.000 - 11.000		
Titanium	Ti %	0.150 max.		
Beryllium	Be %	0.0003 max.		
Zinc	Zn %	0.100 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      150 min. Yield Strength in Mpa      80 min. Elongation in %      2 min. Reduction of Area in %      - Hardness in HBW      50 min. Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AlSi10Mg	DIN	Germany	Casting
AlSi10Mg	BS	British	Wire and Rod
AlSi10Mg	UNI	Italy	Wire and Rod
AlSi10Mg	ISO	International	Casting
AlSi10Mg	MSZ	Hungary	Wire and Rod
AlSi10Mg	CSN	Czech Republic	Wire and Rod
AlSi10Mg	BDS	Bulgaria	Wire and Rod

**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**