



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

## Material - UNI EN ISO 18273 Al 1070

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

**Group - Non-Ferrous Aluminium Alloy**

**Sub Group - UNI 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 %	0.040 max.	As-Cast	
Iron	Fe %	0.250 max.		
Magnesium	Mg %	0.030 max.		
Manganese	Mn %	0.030 max.		
Silicon	Si %	0.200 max.		
Titanium	Ti %	0.030 max.		
Vanadium	V %	0.050 max.		
Beryllium	Be %	0.0003 max.		
Zinc	Zn %	0.070 max.		
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN Al 1070	DIN	Germany	Wire and Rod
EN Al 1070	SFS	Finland	Wire and Rod
EN Al 1070	ONORM	Australia	Wire and Rod
EN Al 1070	BS	British	Wire and Rod
Al 99.7	ISO	International	Casting
EN Al 1070	UNS	USA	Wire and Rod
EN Al 1070	MSZ	Hungary	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.

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