

Material: MSZ EN ISO 18273 AlSi10Mg

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

Group: Non-Ferrous Aluminium Alloy

Sub Group: MSZ 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														
-	-	-	Mechanical Properties <table border="1"> <tr> <td>Tensile Strength in Mpa</td> <td>150 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>80 min.</td> </tr> <tr> <td>Elongation in %</td> <td>2 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in HBW</td> <td>50 min.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </table>		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	UNE	Spain	Wire and Rod
AlSi10Mg	ISO	International	Casting
AlSi10Mg	CSN	Czech Republic	Wire and Rod
AlSi10Mg	BDS	Bulgaria	Wire and Rod

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