

Material: NBR 15975 393.0

Standard Specification for Primary Aluminium and Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: NBR 15975 Primary Aluminium and Casting

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment													
Copper	Cu %	0.700 - 1.100	As-Cast													
Magnesium	Mg %	0.700 - 1.300														
Silicon	Si %	21.000 - 23.000														
Iron	Fe %	1.300 max.														
Manganese	Mn %	0.100 max.														
Nickel	Ni %	2.000 - 2.500														
Zinc	Zn %	0.100 max.														
Titanium	Ti %	0.100 - 0.200														
Vanadium	V %	0.080 - 0.150	Mechanical Properties <table><tr><td>Tensile Strength in Mpa</td><td>120 min.</td></tr><tr><td>Yield Strength in Mpa</td><td>-</td></tr><tr><td>Elongation in %</td><td>-</td></tr><tr><td>Reduction of Area in %</td><td>-</td></tr><tr><td>Hardness in HB</td><td>100 - 140</td></tr><tr><td>Impact in Joule</td><td>-</td></tr></table>		Tensile Strength in Mpa	120 min.	Yield Strength in Mpa	-	Elongation in %	-	Reduction of Area in %	-	Hardness in HB	100 - 140	Impact in Joule	-
Tensile Strength in Mpa	120 min.															
Yield Strength in Mpa	-															
Elongation in %	-															
Reduction of Area in %	-															
Hardness in HB	100 - 140															
Impact in Joule	-															
Aluminium	Al %	Balance														
-	-	-														
-	-	-														
-	-	-														
-	-	-														
-	-	-														

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM29	BS	British	Ingot and Casting
393.0	AA	USA	Ingot and Casting
4928-B	IS	India	Casting
A039300	UNS	USA	Casting
Vanasil	AA	USA	Casting
-	-	-	-
-	-	-	-

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