

Material: DIN 2.2161.01

Standard Specification for Zinc and Zinc Alloy Die Castings

Group: Non-Ferrous Zinc Alloys

Sub Group: DIN 2.2161.01 Zinc and Zinc Alloy Die Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Aluminium	Al %	5.600 - 6.000
Copper	Cu %	1.200 - 1.600
Magnesium	Mg %	0.005 max.
Pb + Cd	Pb% + Cd%	0.006 max.
Tin	Sn %	0.001 max.
Iron	Fe %	0.050 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	180 - 230
Yield Strength in Mpa	150 - 180
Elongation in %	1 - 3
Reduction of Area in %	-
Hardness in HB	80 - 90
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP6	DIN	Germany	Casting
ZnAl6Cu1	UNE	Spain	Casting
2.2161	DIN	Germany	Ingot and Casting
2.2161.02	DIN	Germany	Casting
GB-ZnAl6Cu1	DIN	Germany	Ingot and Casting
GK-ZnAl6Cu1	DIN	Germany	Ingot and Casting
G-ZnAl6Cu1	DIN	Germany	Ingot and Casting

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