

# Material: KS D 6005 ZDC 2

## Specification Standards for Die Castings

**Group:** Non-Ferrous Zinc Alloy Sub

**Group:** KS D 6005 Die Castings

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

**Belongs to the Industry:** Casting

Chemical Composition		
Aluminium	Al %	3.500 - 4.300
Cadmium	Cd %	0.004 max.
Copper	Cu %	0.250 max.
Iron	Fe %	0.100 max.
Magnesium	Mg %	0.020 - 0.060
Lead	Pb %	0.005 max.
Tin	Sn %	0.003 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Aging

Mechanical Properties	
Tensile Strength in Mpa	285 min.
Yield Strength in Mpa	-
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HB	82 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Zamak 2	ANSI/AA	USA	Casting
ZDC 2	JIS	Japan	Casting
B240 AG40A	ASTM	USA	Casting
B240 Zamak 3	ASTM	USA	Casting
GD-ZnAl4	DIN	Germany	Casting
ZL3	ISO	International	Casting
903	SAE	USA	Ingot and Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

**Customer Care:** +91-99090 45075 **Email:** [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India