

Make the wise choice...



ZINC ALLOYS

Die Cast Alloy # 2 ASTM B240

COMPOSITION ALLOY NO. 2

	<u>Ingot</u>	<u>Casting</u>
Aluminum	3.90-4.30	3.50-4.30
Copper	2.6-2.9	2.5-3.0
Magnesium	.025-.050	.020-.050
Iron (Max.)	0.075	0.1
Tin (Max.)	0.002	0.003
Cadmium (Max.)	0.003	0.004
Lead (Max.)	0.004	0.005
Nickel	-	-
Zinc (99.99% Purity)	Bal.	Bal.

Properties (as Die Cast)

Specific Gravity g/cm ³	6.6
Density lb./cu. In	0.24
Thermal Conductivity BTU/FT – hr ° F	60.5
Melting Range - ° F	715-734
Electrical Conductivity % IACS	25
Coef. Thermal Expansion - 1/F x 10 ⁻⁶	15.4
Young's Modulus P.S.I x 10 ⁶	> or = 12.4
Tensile Strength P.S.I. x 10 ³	52
Compressive Yield Strength – 0.1% Offset PSI x 10 ³	93 ⁶
Elongation % in 2"	7
Impact Strength Ft – lb	35 ²
Brinell Hardness	100
Shearing Strength P.S.I. x 10 ³	46
Specific Heat BTU/lb/° F	0.10

290 Arvin Avenue
Stoney Creek, Ont. Canada
L8E 2M1
905-662-4802
Fax: 905-664-3944

498 International Boulevard
Clarksville, Tennessee 37040
931-552-8080
Fax: 931-552-5588

e-mail: sales@purityzinc.com