

ZINC AND ITS PROPERTIES

Chemical composition of alloy used in our zinc die casting shops (contents quoted as percentages by weight)

High-purity zinc alloy

Abbreviation	Designation of alloy according to DIN - EN 12844		Al	Cu	Mg	Pb	Cd	Sn	Fe	Ni	Si	Zn
	Numerical	Chemical										
Z410	ZPO 410	GD-Zn Al4 Cu1	3,7-4,3	0,7-1,2	0,025-0,06	0-0,005	0-0,005	0-0,002	0-0,05	0-0,02	0-0,03	remainder

Mechanical features (for test specimens that have been separately cast)

High-purity zinc alloy

Abbreviation	Designation of alloy according to DIN - EN 12844		Physical condition of material Rm	Tensile strength Rm N/mm ²	Proof limit Rp 0.2 N/mm ²	Elongation at rupture A5%	Brinell hardness HB 10/1000/30
	Numerical	Chemical					
Z410	ZPO 410	GD-Zn Al4 Cu1	ready for casting	280-350	220-250	2-5	85-105

Errors and omissions excepted