

Metal 2 / Mg, Zn

We have provided an overview to allow you to compare the mechanical properties of the most common processed alloys. The figures relate to test rods cast separately. The material properties "in the cast part" may sometimes deviate considerably from those of the test rods. We cast a large number of other alloys. Contact us if the alloy you need is not shown in this list.

Designation	Numeric designation EN 1774:1997	Casting process Heat treatment	Tensile strength (RmN/mm ²)	Yield strength (Rp0.2N/mm ²)	Elongation at failure (%)	Hardness (HBS)
Az91 HP		Sand casting	220	160	0.5-3	60
Az91 HP		Die casting	220	160	0.5-3	60
AM50 HP		Sand casting	200	90	4 - 8	50
AM50 HP		Die casting	210 - 230	130	6 - 8	55
AM60 HP		Sand casting	220	100	8-12	60
AM60 HP		Die casting	210	130	4-8	65
ZnAl4Cu1 (Z410)	EN ZL 0410**	Plaster casting	280–350	220–250	2-5	95
ZnAl4Cu1 (Z410)	EN ZL 0410**	Die casting	280–350	220–250	2-5	85–105