



30 Zn Zinc 65.409	2 8 18 2	13 Al Aluminium 26.981	2 8 3	29 Cu Copper 63.546	2 8 18 1
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ZINC ALLOY ZnAl6Cu1

Producer: NFM-CRAMET N.V. • B-9770 Kruishoutem

Producer's mark:

Colour code: white/white

1) ZINC ALLOY according to EN1774: 1997 – Standard for foundry purposes, ingot and liquid

- Alloy symbol: ZnAl6Cu1
- Alloy number: ZL0610
- Short designation: ZL6

Chemical composition of alloy ingot and liquid (in % mass fraction):

Al Aluminium	Cu Copper	Mg Magnesium	Fe Iron	Pb Lead	Cd Cadmium	Sn Tin	Ni Nickel	Si Silicon	Zn Zinc
5.6 6.0	1.2 1.6	0.005 max.	0.020 max.	0.003 max.	0.003 max.	0.001 max.	–	0.02 max.	balance

2) ZINC ALLOY according to EN12844: 1998 – Standard for castings

- Alloy number: ZP0610
- Short designation: ZP6

Chemical composition of castings (in % mass fraction):

Al Aluminium	Cu Copper	Mg Magnesium	Fe Iron	Pb Lead	Cd Cadmium	Sn Tin	Ni Nickel	Si Silicon	Zn Zinc
5.4 6.0	1.1 1.7	0.005 max.	0.05 max.	0.005 max.	0.005 max.	0.002 max.	0.02 max.	0.03 max.	balance

3) PHYSICAL PROPERTIES:

guidance mid-range data

- Density: 6.5 kg/dm³
- Melting range: 375 to 395 °C
- Coefficient of thermal expansion: 25 µm/(m-K)

- Thermal conductivity (18 °C): 115 W/(m-K)
- Electrical conductivity (10 °C): 27% IACS

Remarks: Normally not supplied in die-cast form
100% IACS equivalent to 58S-m/mm²