

CuZn35Ni3Mn2AlPb | Round bars

DATA SHEET



Alloy	CuZn35Ni3MnAlPb, CW710R
Condition	< Ø 65 mm drawn Ø 70 - 130 mm extruded Ø 150 mm cast & premachined
Norm	DIN EN 12163
Tolerance	drawn DIN 1756, h11 Ø 6 mm +0/-0.08 mm Ø 8-10 mm +0/-0.09 mm Ø 11-18 mm +0/-0.11 mm Ø 19-30 mm +0/-0.13 mm Ø 31-50 mm +0/-0.16 mm Ø 51-75 mm +0/-0.19 mm extruded/cast DIN 1782 Ø 70-80 mm +0/-0.8 mm Ø 81-120 mm +0/-1.2 mm Ø 130-200 mm +0/-1.5 mm
Machinability	medium
Hot Workability	good
Cold Workability	medium
REACH	information obligations
RoHS	not conform

Mechanical Properties

	Tensile strength R_m	Yield stress $R_{p0.2}$	Elongation A	Hardness HB
Ø 8-60 mm R490-H120	≥ 490 N/mm ²	≥ 290 N/mm ²	≥ 18 %	120-160
> 61 mm „M“	as manufactured			

Construction material, medium to high strength. Seawater-resistant.
Medium machinability. Apparatus engineering, shipbuilding.

Chemical Analysis

Cu	58.0-60.0 %
Al	0.3-1.3 %
Mn	1.5-2.5 %
Fe	max. 0.5 %
Ni	2.0-3.0 %
Pb	0.2-0.8 %
Si	max. 0.1 %
Sn	max. 0.5 %
Zn	Rest
Others	max. 0.3 %

Comparable Specifications

CuZn35Ni2, 2.0540, DIN 17660

Schreier Metall GmbH
Bessemerstr. 17
D-40699 Erkrath-Hochdahl
Telefon +49 2104 1737-0
Internet: www.schreier-metall.de
E-Mail: sales@schreier-metall.de