

CuZn35Ni3Mn2AlPb | Hexagon bars



Alloy	CuZn35Ni3MnAlPb, CW710R
Condition	drawn
Norm	DIN EN 12163
Tolerance	drawn DIN 1763, h12 hex. 14-17 mm +0/-0.18 mm hex. 19-30 mm +0/-0.21 mm hex. 32-50 mm +0/-0.25 mm hex. 55 mm +0/-0.30 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
hex. 14-40 mm R490-H120	$\geq 490 \text{ N/mm}^2$	$\geq 290 \text{ N/mm}^2$	$\geq 18 \%$	120-160
from hex. 41 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