DATENBLATT

CuZn25Al5Mn4Fe3-C | Round bars

Alloy	CuZn25Al5Mn4Fe3-C, CC762S
Condition	continous cast
Norm	DIN EN 1982
Tolerance	+ 1 / - 0 mm
Machinability	good
REACH	information obligations
RoHS	conform

Mechanical Properties

	Tensile strength R_m	Yield stress $R_{p\,0,2}$	Elongation A	Hardness HB
	≥ 750 N/mm²	≥ 480 N/mm²	≥ 5 %	≥ 190

Chemical Analysis

Cu 60.0 - 67.0 %
Al 3.0 - 7.0 %
Mn 2.5 - 5.0 %
Fe 1.5 - 4.0 %
Ni max. 3.0 %
P max. 0.03 %
Pb max. 0.2 %
Sb max. 0.03 %
Si max. 0.1 %
Sn max. 0.2 %
Zn Rest

Very high strength values. Bearings at high load and low sliding speed. Highly stressed, slow-moving worm wheel rims, internal parts of high-pressure fittings. Less suitable for dynamic loads and vibrations.

Comparable Specifications

CuZn25Al5, 2.0598, DIN 1709
C86300 UNS
HTB 3, BS 1400

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