

TVH® TV7 (CuSn7ZnPb)

Density 8,80 g/cm³

Tin bronze (lead gun metal)

Specifications:

TRAID	TVH®	TV7
D	DIN 1705	CuSn7ZnPb
F	AFNOR	U-E 7 Z5 Pb4
GB	BS	BS 1400
USA	CDA	C 93200

Nominal composition:

Cu	81 – 85 %
Sn	6 – 8 %
Zn	3 – 5 %
Pb	5 – 7 %
Ni	Max. 2%
P	Max. 0,05 %
Others combined	Rest

NOMINAL PROPERTIES	UNIT	CONTINUOUS CAST	CENTRIFUGALLY CAST	SAND CASTINGS
Tensile strength R _m	MPa	> 270	270	240
Yield strength R _{p0,2}	MPa	> 120	130	120
Elongation A ₅	%	16	13	15
Brinell Hardness	HB 10	> 70	75	65
Modulus of elasticity E	GPa	102	102	102

MAIN CHARACTERISTICS

Good sliding and dry running properties
 Good lubrication
 Short chipping
 Easily machined material
 Resistant to sea water
 Soft solderable

INDUSTRY APPLICATIONS

Axle-bearing and coupling rod bearings
 Plain bearings for general mechanical engineering applications
 Medium stressed bearing pads and adjusting gibs
 Highly stressed plain bearing bushing using shafts of unhardened steels

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