

TVH® TVAL10 (CuAl10Ni5Fe4)

Densidad 7,60 g/cm³

Bronce al aluminio

Denominaciones:

TRAID	TVH®	TVAL10
D	DIN 1705	CuAl10Ni
F	AFNOR	U-A 10 N
GB	BS	
USA	CDA	C 65500

Composición:

Al	8,5 – 11 %
Ni	4 – 6,5 %
Fe	3,5 – 5,5 %
Mn	Max. 3%
Cu	Rest

PROPIEDADES	UNIDAD	COLADA CONTINUA
Resistencia a la tracción R _m	MPa	700
Límite elástico R _{p0,2}	MPa	300
Alargamiento A ₅	%	13
Dureza Brinell	HB 30	160
Módulo de elasticidad E	GPa	118
Coefficiente expansión α	10 ⁻⁶ / K	16,20
Conductividad térmica	W / m . K	42
Conductividad eléctrica	m / Ω . mm ²	5
Conductividad eléctrica	% I.A.C.S.	8
Specific heat	J / g . K	0,45

CARACTERISTICAS

Resistente al agua marina
 Alta resistencia mecánica

APLICACIONES MÁS COMUNES

Piezas de fricción en maquinaria pesada.
 Industria naval.
 Piezas que precisen gran resistencia en general.

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