

Machine construction, Aerospace, Defence Industry

Makine yapımı, Havacılık ve Uzay, Savunma Sanayi

Small addition of copper and lead improve strength and give excellent machineability. Not suitable for welding or anodising.

Bakır ve kurşunun az miktarda eklenmesi mukavemeti artırır ve mükemmel işlenebilirlik sağlar. Kaynak veya eloksal kaplama için uygun değildir.

2011

2015/863 AMENDING ANNEX II TO
DIRECTIVE 2011/65/EU

Colour Code
EU Red



Colour Code
USA Brown



Unit mm				
Extruded	20 - 170	20 - 120	5 - 105	20 - 145

Minimum Mechanical Properties / Min. Mekanik Özellikler

	Temper	Diam. mm	Rm		A%	HBW
			MPa	MPa		
EXTRUDE	T4	≤ 200	275	125	14	95
	T6	≤ 75	310	230	8	110
	T6	75 < D ≤ 200	295	195	6	110

Chemical Composition / Kimyasal Bileşenler

Si	≤ 0,40
Fe	≤ 0,70
Cu	5,00 - 6,00
Mn	-
Mg	-
Cr	-
Ni	-
Zn	≤ 0,30
Ti	-
Pb	0,20 - 0,40
Bi	0,20 - ,060
Others	Each 0,05 Total 0,15
Al	Remainder

Properties / Özellikler

T6

Machinability	Excellent	Good	Acceptable	Not recommended
Protective anodizing	Excellent	Good	Acceptable	Not recommended
Decorative anodizing	Excellent	Good	Acceptable	Not recommended
Hard anodizing	Excellent	Good	Acceptable	Not recommended
Resistance to atmospheric corrosion	Excellent	Good	Acceptable	Not recommended
Resistance to marine corrosion	Excellent	Good	Acceptable	Not recommended
MIG-TIG weldability	Excellent	Good	Acceptable	Not recommended
Resistance weldability	Excellent	Good	Acceptable	Not recommended
Brazing weldability	Excellent	Good	Acceptable	Not recommended
Plastic formability when cold	Excellent	Good	Acceptable	Not recommended
Plastic formability when hot	Excellent	Good	Acceptable	Not recommended

Physical Properties / Fiziksel Özellikler

Density	Kg/ dm ³	2,83
Modulus of elasticity	Mpa	70.000
Coefficient of thermal expansion	x10 ⁻⁶ /°C	22,9
Thermal conductivity at 20°C	W / mK	172
Typical electrical resistivity at 20°C	Ω mm ² / m	0,038



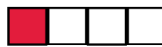
Excellent
Çok İyi



Good
İyi



Acceptable
Kabul Edilebilir



Not recommended
Önerilmez

