

# Containers, Shipbuilding and Construction Equipment, Tank and boiler construction, Panels, Pressure Vessels and Boilers, Automotive and Automotive Supply Industry, Pipes and tubes for hydraulic applications, Vehicle body, Boat Equipment

*Konteyner, Gemi ve İnşaat Ekipmanları, Tank ve kazan yapımı, Paneller, Basınçlı Kaplar ve Kazan, Otomotiv ve Otomotiv Yan Sanayi, Hidrolik uygulamaları için boru ve tüpler, Araç gövdesi, Bot Ekipmanları*

This high-strength alloy has very good welding properties and has very good workability. It shows extremely good resistance to both seawater corrosion and industrially polluted atmosphere.

*Yüksek mukavemetli olan bu alaşım çok iyi kaynak özelliklerine ve çok iyi işlenebilirliğe sahiptir. Hem deniz suyu korozyonuna hemde endüstriyel olarak kirliliğe karşı son derece iyi direnç gösterir.*

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

Minimum Mechanical Properties / Min. Mekanik Özellikler

EXTRUDE	Temper	Diam. mm	Rm	Rp0,2	A%	HBW
			MPa	MPa		Typical
EXTRUDE	H111	≤ 150	180 - 250	80	17	45
	H112	≤ 150	180	80	14	47
		150 < D ≤ 250	180	70	13	47

Properties / Özellikler

H111

Machinability	■	■	■	■
Protective anodizing	■	■	■	■
Decorative anodizing	■	■	■	■
Hard anodizing	■	■	■	■
Resistance to atmospheric corrosion	■	■	■	■
Resistance to marine corrosion	■	■	■	■
MIG-TIG weldability	■	■	■	■
Resistance weldability	■	■	■	■
Brazing weldability	■	■	■	■
Plastic formability when cold	■	■	■	■
Plastic formability when hot	■	■	■	■



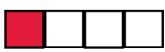
Excellent  
Çok İyi



Good  
İyi



Acceptable  
Kabul Edilebilir



Not recommended  
Önerilmez



# 5754

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

Colour Code  
EU - USA  
TrafficYellow



Chemical Composition  
/ Kimyasal Bileşenler

Si	≤ 0,40
Fe	≤ 0,40
Cu	≤ 0,10
Mn	≤ 0,50
Mg	2,60 - 3,60
Cr	≤ 0,30
Ni	-
Zn	≤ 0,20
Ti	≤ 0,15
Pb	-
Bi	-
Others	Each 0,05
Al	Remainder

Physical Properties  
/ Fiziksel Özellikler

Density	Kg/ dm <sup>3</sup>	2,68
Modulus of elasticity	Mpa	70.000
Coefficient of thermal expansion	x10 <sup>-6</sup> /°C	23,7
Thermal conductivity at 20°C	W / mK	132
Typical electrical resistivity at 20°C	Ω mm <sup>2</sup> / m	0,043