

Database of Steel and Alloy (Marochnik)

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Characteristics for grade A99 (A99).

Grade :	A99 (A99)
Classification :	Primary aluminium
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Chemical composition in % for grade A99 (A99)

Fe	Si	Mn	Ti	Al	Cu	Mg	Zn	Ga	Impurity
max 0.003	max 0.003	max 0.002	max 0.002	min 99.99	max 0.002	max 0.001	max 0.003	max 0.003	other, each 0.001;

Mechanical properties under T=20°C for grade A99 (A99)

Assortment	Dimension	Direct.	σ_B	σ_T	δ_5	ψ	KCU	Heat treatment
-	mm	-	MPa	MPa	%	%	kJ / m ²	-
Sheet thin annealed			110		24			

Equivalent steels for grade A99 (A99)

Warning! Indicated both exact and nearest equivalents.

USA	European
-	EN
1199	ENAW-1199

Specification :

Mechanical properties :

- σ_B - Tensile strength , [MPa]
- σ_T - Yield stress , [MPa]
- δ_5 - Specific elongation at fracture , [%]
- ψ - Reduction of area , [%]
- KCU** - Impact strength , [kJ / m²]
- HB** - Brinell hardness , [MPa]

Database of steels and alloys (Marochnik) contains information about chemical composition and properties more then 2500 steels and alloys (stainless steel, alloy steel, carbone steel, structural steel, tool steel, cast iron, aluminum alloy, titanium alloy, copper alloy, nickel alloy, magnesium alloy and others).

Helpfull for specialists in grade technology, structural engineer, mechanical engineer, metallurgy and metal trader

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