

Database of Steel and Alloy (Marochnik)

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Characteristics for grade A995 (A995).

Grade :	A995 (A995)
Classification :	Primary aluminium
Equivalent grades:	Is absent

Chemical composition in % for grade A995 (A995)

Fe	Si	Mn	Ti	Al	Cu	Mg	Zn	Ga	Impurity
max 0.0015	max 0.0015	max 0.001	max 0.001	min 99.995	max 0.001	max 0.001	max 0.001	max 0.003	other, each 0.001; all 0.005

Mechanical properties under T=20°C for grade A995 (A995)

Assortment	Dimension	Direct.	σ_B	σ_T	δ_5	ψ	KCU	Heat treatment
-	mm	-	MPa	MPa	%	%	kJ / m ²	-
casted			50		45			

Brinell hardness for A995 (A995) , casted	HB 10⁻¹ = 13 - 15 MPa
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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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