

Database of Steel and Alloy (Marochnik)

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Characteristics for grade KHN28VMAB (XH28BMA5).

Grade :	KHN28VMAB (XH28BMA5) (X21H28B5M3БAP ЭП126)
Classification :	High-temperature or heat-resistant alloy
Equivalent grades:	Is absent

Chemical composition in % for grade KHN28VMAB (XH28BMA5)

Fe	C	Si	Mn	Ni	S	P	Cr	Mo	W	N	Nb	B
34.655 - 47.55	max 0.1	max 0.6	max 1.5	25 - 30	max 0.02	max 0.02	19 - 22	2.8 - 3.5	4.8 - 6	0.15 - 0.3	0.7 - 1.3	max 0.005

Mechanical properties under T=20°C for grade KHN28VMAB (XH28BMA5)

Assortment	Dimension	Direct.	σ_B	σ_T	δ_5	ψ	KCU	Heat treatment
-	mm	-	MPa	MPa	%	%	kJ / m ²	-
Sheet, GOST 24982-81			930		25-35			Guenching 1080 - 1140°C,

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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