

Database of Steel and Alloy (Marochnik)

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Characteristics for grade NP2EH (НП2Э).

Grade :	NP2EH (НП2Э)
Classification :	Semis nickel
Equivalent grades:	Is absent

Chemical composition in % for grade NP2EH (НП2Э)

Ni+Co	Fe	C	Si	Mn	S	P	Co	Al	Cu	As	Pb	Mg	Zn	Sb	Bi	Sn	Cd
min 99.6	max 0.1	max 0.1	max 0.1	max 0.03	max 0.003	max 0.002	max 0.15	max 0.01	max 0.1	max 0.002	max 0.002	max 0.1	max 0.005	max 0.002	max 0.002	max 0.002	max 0.002

Mechanical properties under T=20°C for grade NP2EH (НП2Э)

Assortment	Dimension	Direct.	σ_B	σ_T	δ_5	ψ	KCU	Heat treatment
-	mm	-	MPa	MPa	%	%	kJ / m ²	-
Band, GOST 2170-73			390		35			
Band, GOST 2170-73			540		3			

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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