

EN10025 Fe 690-2 steel plate/sheet for general Construction steels

Key words :

[EN10025 Fe 690-2 steel plate/sheet](#), EN10025 Fe 690-2 steel plate/sheet, under EN standard, we can regard Fe 690-2 steel plate/sheet for general Construction steels. EN10025 Fe 690-2 steel plate/sheet is for general Construction steels. The followings are the chemical composition and the mechanical properties of EN Fe 690-2 steel. Fe 690-2 steel is according to EN10025 standard and it is equivalent to EN:Fe690-2, DIN17100:St70-2, NFA: A70-2 and EN10025:E360 steel grades.

Equivalent grade :

EN10025 Fe 690-2 steel plate/sheet is in EN10025 standard. The comparison of steel grades is: EN10025:1990 Fe 690-2, DIN17100 ST60-2, NFA 35-501 A60-2, BS1449, UNI7070 FE 590.

Fe 690-2 EN 10025-2 Number: 1.0070	Comparison of steel grades	
	EN10025:1990	FE 690-2
	DIN17100	ST70-2
	NFA 35-501	A70-2
	BS1449	-
	UNI7070	FE 690

Fe 690-2 steel Chemical analysis -% by mass*

Main chemical composition in EN10025 Fe 690-2 steel : Phosphorus max 0.045, Silicon max 0.045, please refer to the flowing table:

Chemical elements	C≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.	N max
Fe 690-2	-	-	-	-	0.045	0.045	0.012

Fe 690-2 steel Mechanical properties

EN10025 Fe 690-2 is general Construction steels, The different thickness with different yield strength, tensile strength and fracture elongation. More detailed information about EN10025 Fe 690-2 steel Mechanical Properties , please refer to the following table:

thickness	Yield Strength ReH [N/mm ²] transv.min.	Tensile Strength Rm [N/mm ²] transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy ¹)Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm t > 16mm	360 355			
t < 3mm t ≥ 3mm		690-900 670-830		- -
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			4 5 6 7 10	

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