



**EN 10025 FE 490-2 steel plate/sheet for general Construction steels**

EN 10025 FE 490-2 steel plate/sheet, EN 10025 FE 490-2 steel plate/sheet, under EN standard, we can regard FE 490-2 steel plate/sheet for general Construction steels. EN 10025 FE 490-2 steel plate/sheet is for general Construction steels. The followings are the chemical composition and the mechanical properties of EN FE 490-2 steel.

FE 490-2 DIN EN 10025-2 Number: 1.0050	Comparison of steel grades	
	EN 10025 :1990	FE 490-2
	DIN17100	ST50-2
	NFA 35-501	A50-2
	BS1449	-
	UNI7070	FE 490

Chemical analysis -% by mass\* of FE 490-2 steel

Chemical elements	C <sub>≤</sub> 16mm max	C>16mm max	Si max	Mn max	P max.	S max.	N max
%,by mass	-	-	-	-	0.045	0.045	0.012

Mechanical properties of FE 490-2 steel

thickness	Yield Strength ReH [N/mm <sup>2</sup> ] transv.min.	Tensile Strength Rm [N/mm <sup>2</sup> ] transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm	295			
t > 16mm	285			
t < 3mm		490-600		
t ≥ 3mm		470-610		
Up to 1.5mm			11	
1.51-2.00mm			12	
2.01-2.50mm			13	
2.51-2.99mm			14	
≥ 3mm			18	

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