

EN10025 E295 steel plate/sheet for general Construction steels

EN10025 E295 steel plate/sheet, EN10025 E295 steel plate/sheet, under EN standard, we can regard E295 steel plate/sheet for general Construction steels. EN10025 E295 steel plate/sheet is for general Construction steels. The followings are the chemical composition and the mechanical properties of EN E295 steel.

E295 DIN EN 10025-2 Number: 1.0050	Comparison of steel grades	
	EN10025:1990	FE 490-2
	DIN17100	ST50-2
	NFA 35-501	A50-2
	BS1449	-
	UNI7070	FE 490

Chemical analysis -% by mass*

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

thickness	Yield Strength ReH [N/mm ²] transv. min.	Tensile Strength Rm [N/mm ²] transv.	Fracture Elongation[%] transv. min.	Notch Impact Energy I) Ch V complete sample longitud. 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	

Mechanical properties

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