



1. Guideboard of other standards

DIN	EN 10027-1	EN 10027-2	EN 10025:90	GOST
St44-3				

2. Chemical composition (heat analysis) in %

C	Mn	Si	P	S	N	Al
max. 0,180			max. 0,035	max. 0,035		

3. Mechanical properties

Mechanical properties	Execution	
	heat untreated	normalized
Tensile strength R_m [MPa]	410 - 560	
Yield point R_e [MPa]	265	
Ductility A_{10} [%]		

4. Steel characterization and examples of usage

Plain carbon structural fine-grained high-quality steel suitable for welding. Suitable for welded dynamically stressed parts used both in low and high temperatures.