



EQUIVALENTS:

American: AISI 1020
British: BS970 Part 1 1983, 070M20 (EN3)
Chinese: S20

COLOUR CODE:



Rolled

CHEMICAL COMPOSITION %

	C	Si	Mn	P	S
Min	0.16	0.10	0.50		
Max	0.24	0.40	0.90	0.05	0.05

MECHANICAL PROPERTIES:

Heat Treatment	Condition	Tensile Strength RM MPA	Yield Stress REMPA	A min on 5,65 √So	Impact		Hardness HB	Limited Ruling Section mm
					IZOD FT.Lb	KCV Joules		
Normalise	-	430	215	21	-	-	126/179	150
	-	400	200	21	-	-	116/170	250

CHARACTERISTICS:

- Carbon steel
- A 6% allowance should always be made for removal of surface defects during machining
- Machinability good
- Weldability good
- Low tensile steel (28/30 ton tensile)
- Can be case hardened
- Not subject to high stress or severe wear

APPLICATIONS:

Low tensile shafts, bolts, nuts
Flanges
Bushes, spacers
Pulleys (light duty)
Machinery components where low tensile strength material is required