

Steel Grade: BSt500M | Material No: 1.0466

CHEMICAL COMPOSITION

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Cr(%)	Ni(%)	N(%)	Cu(%)	Other(%)
0.15	—	—	0.05	0.05	—	—	0.012	—	—

MECHANICAL PROPERTIES

Tensile Strength σ_b /Mpa	Yield Strength $\sigma_s \geq$ Mpa		Yield Strength $\sigma_s \geq$ Mpa	Extensibility $\delta_5 \geq$ % (≤ 150 mm)	Flexural Center Dia Cold-bend Test	
	16-40mm	40-60mm			180°C/L	180°C/T
—	—	—	$\sigma_{0.2} \geq 500$ Mpa	—	—	—

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