

Grade S355J2+N



Malthouse Engineering Co. Ltd

Grade	Size range (MM)	NOTES	Carbon Content	Strength at t=16mm (MPa)	Longitudinal Charpy V-notch	Mechanical Properties	Chemical Composition														
							Min Yield	Tensile (Rm)	Temp	Energy (J)	Plate Thickness (mm)	Minimum yield strength	Tensile Strength Rm (min/max) n/mm ²	Yield strength Re	Elongation A	Carbon Max	Manganese	Silicon	Phosphorus	Sulphur	Vanadium
				(ReH)			T=16mm		ReH MPa		(min)	(Min)									
BS EN 10025 - S355J2+N (50D)	6-400	High Yield Steel with impact tests to -20 degrees Celsius.	0.20% max up to ≤16mm	355	470/630	-20	27	≤16	355	490/640	355	20	0.18	- /1.50	0.10 /0.50	0.040	0.040	0.00 /0.10	0.003/0.10		
								>16-40	345		345										
								>40-63	335		340										
								>63-100	325		325										

Source: British Standards Institute.

For more information visit www.MalthouseEngineering.com or for a quote on Steel Profiling, Lumsden Grinding or Fabrication call 0121 557 8455