

SPECIFICATION FILE FOR THE PRODUCT

STEEL GRITS

Sizes	G - 80 to G - 10 (0.18 mm to 2.00 mm)		
Shapes	Angular		
Specifications	SAE J444, SAE J827, SAE J1993, ISO 11124-3, DIN 8201-2 and DIN 8201-3		
Sieve Analysis	SAE J444, SAE J827		
Chemical Properties	Carbon	0.80% to 1.20%	
	Silicon	0.40% Min.	
	Manganese	0.60% to 1.20%	
	Sulphur	0.05% Max.	
	Phosphorus	0.05% Max.	
Microstructure	Tempered Martensite		
Grades	GP	GL	GH
Hardness Range	400 - 500 HV	500 - 600 HV	700 - 825 HV
Hardness Deviation	±30 HV		
Density	~7.0 g/cm³ Min.		
Packaging	25 kg	Bag	
	1000 kg	Jumbo Bag, Pellet, Drum	

Other sizes, hardness and packaging available on request.

SIEVE ANALYSIS (AS PER SAE J827)

Mesh	MM	G - 10	G - 12	G - 14	G - 16	G - 18	G - 25	G - 40	G - 50	G - 80
7	2.800	All Pass								
8	2.360		All Pass							
10	2.000	80% min.		All Pass						
12	1.700	90% min.	80% min.		All Pass					
14	1.400		90% min.	80% min.		All Pass				
16	1.180			90% min.	75% min.		All Pass			
18	1.000				85% min.	75% min.		All Pass		
20	0.850									
25	0.710					85% min.	70% min.		All Pass	
30	0.600									
35	0.500									
40	0.425						85% min.	70% min.		All Pass
45	0.355									
50	0.300							70% min.	65% min.	
80	0.180								75% min.	65% min.
120	0.125									75% min.
		2.00	1.70	1.40	1.18	1.00	0.71	0.424	0.30	0.18

CODE vs SIZE LEGEND

Grit Code	Grit size (in mm)	Grit size (in inch)
G - 10	2.00	0.078
G - 12	1.70	0.066
G - 14	1.40	0.055
G - 16	1.18	0.046
G - 18	1.00	0.039
G - 25	0.71	0.028
G - 40	0.424	0.017
G - 50	0.30	0.011
G - 80	0.18	0.007