



TECHMA

DATA SHEET

High carbon cast steel grit

General description	cast steel grit
Shape	grit
Specification	SAE J827
Size and symbols	see attached
Hardness	type P = 480 ÷ 550 HV (47 ÷ 52 HRC) type L = 570 ÷ 650 HV (54 ÷ 58 HRC) type H ≥ 840 HV (≥ 65 HRC)
Density	≥ 7.4 kg / dm ³
Chemical composition	C 0,80 ÷ 1,2 Mn 0,35 ÷ 1,2% Si ≥ 0,40% S ≤ 0,05% P ≤ 0,05%
Microstructure	tempered martensite fine and homogeneous

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Sizes

Size no.	Tolerance	Screen opening (mm)
G 12	All pass No. screen 7	2,80
	20% max on No. screen 8	2,36
	85% min on No. screen 12	1,70
	97% min on No. screen 14	1,40
G 14	All pass No. screen 8	2,36
	10% max on No. screen 10	2,00
	80% min on No. screen 14	1,4
	90% min on No. screen 16	1,18
G 16	All pass No. screen 10	2,00
	10% max on No. screen 12	1,70
	80% mins on No. screen 16	1,18
	90% min on No. screen 18	1,00
G 18	All pass No. screen 12	1,70
	30% max on No. screen 14	1,40
	85% min on No. screen 18	1,00
	97% min on No. screen 20	0,85
G 25	All pass No. screen 14	1,40
	40% max on No. screen 16	1,18
	85% min on No. screen 25	0,71
	97% min on No. screen 30	0,60
G 40	All pass No. screen 16	1,18
	20% max on No. screen 18	1,00
	85% min on No. screen 30	0,60
	97% min on No. screen 35	0,50
G 50	All pass No. screen 20	0,85
	10% max on No. screen 25	0,71
	80% min on No. screen 45	0,355
	90% min on No. screen 50	0,30
G 80	All pass No. screen 35	0,50
	20% min on No. screen 40	0,425
	75% min on No. screen 80	0,18
	90% min on No. screen 120	0,125
G 120	All pass No. screen 45	0,355
	10% max on No. screen 50	0,30
	75% min on No. screen 120	0,125
	90% min on No. screen 200	0,075

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