

Typical Silicon Carbide Quality Figures

		Casting deoxidizing		Refractory material/ Abrasive material	Engineering ceramics
Chemical composition	SiC (%)	88.00 min	90.00 min	98.00 min	99.5 min
	Fe ₂ O ₃ (%)	1.80 max	1.50 max	0.25 max	0.03 max
	F.C (%)	2.20 max	1.80 max	0.15 max	0.05 max
	SiO ₂ (%)				0.10 max
	S (%)	0.03 max	0.02 max		
	O ₂ (%)				0.08 max
	Magnetic material			0.07 max	
Particle size/mean particle diameter		10-0 mm, 5-0 mm, etc.		8-5 mm, 5-3 mm, 3-1 mm, 1-0 mm, #100, #200, #325, F22, F30, F36, etc.	D50 = 0.45 ± 0.02 μm etc.