

Electrocarb Black Silicon Carbide

#1 Grade Silicon Carbide for Coated Abrasive Applications

Electro Abrasives, LLC. manufactures Black Silicon Carbide grains & powders in sizes to meet all of our customers' needs. It is manufactured by a team of professionals dedicated to provide our customers the best in quality, service and support.

APPLICATIONS:

Electrocarb Black Silicon Carbide (SiC) is graded to FEPA standards and is ideal for high quality coated abrasives.

Typical Physical Properties

Hardness	Melting Point	Particle Shape	Color	Grading
2,550 Knoop 9.1 Mohs	Sublimes at 4,712°F (2,600°C)	Angular, with sharp edges (»P»)	Black	Macro: FEPA 43-1:2006 Micro: FEPA 43-2:2006

Chemical Analysis (%)

SiC	SiO ₂	Si	Fe	Al	C
97.7	0.7	0.8	0.2	0.3	0.3

Available Split Sizes

MACRO		MICRO	
Grit Size	LPD (g/cm ³)	Grit Size	LPD (g/cm ³)
P12	1.41 - 1.56	P240	1.29 - 1.44
P16	1.40 - 1.55	P280	1.28 - 1.43
P20	1.40 - 1.55	P320	1.25 - 1.40
P24	1.40 - 1.55	P360	1.22 - 1.38
P30	1.39 - 1.54	P400	1.22 - 1.38
P36	1.39 - 1.54	P500	1.21 - 1.36
P40	1.38 - 1.53	P600	1.17 - 1.33
P50	1.37 - 1.52	P800	1.13 - 1.28
P60	1.36 - 1.51	P1000	1.10 - 1.25
P80	1.35 - 1.50	P1200	1.01 - 1.16
P100	1.33 - 1.48	P1500	0.87 - 1.03
P120	1.31 - 1.46	P2000	0.77 - 0.93
P150	1.30 - 1.45	P2500	0.77 - 0.93
P180	1.29 - 1.44		
P220	1.29 - 1.44		

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