

Certificate of Analysis-Black Silicon Carbide

General Information

Product	: Black Silicon Carbide for Abrasive Tools, Sandblasting
Other Names	: Black Silicon Carbide, Black SiC
Country of Origin	: China
Manufacturer of Material	: Luoyang Zhongsen Refractory Co.,Limited
Features	: Hard, Good Abrasive Ability, Ideal for Abrasive, Blasting,
Polishing	
Picture of Product:	



Physical Specifications & Package

Main Content	: SiC
Specific Gravity	: $\geq 3.15 \text{ g/cm}^3$
Bulk Density	: $1.20\text{-}1.60 \text{ kg/m}^3$
Hardness	: 9.20 MOSH
Color	: Black
Melting Point	: 2700°C
Sizes Available	: FEPA F16-F220
Package	: 1 Ton Big Bag, 25kg Bag and 40 Bags on a Pallet



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Particle Distribution & Chemical Content

Physical Analysis	Grit#	Max Size	Big Size	Basic Size	Mixed Size	Small Size	Chemical Analysis	
	SiC16	+2.00	+1.40	+1.18	+1.00	-0.85	SiC	99.78%
	Standard	0%	0-20%	45-100%	70-100%	0-3%	Fe ₂ O ₃	0.09%
	Sample 1	0	5	52	81	0.5	Free C	0.10%
	Sample 2	0	5	52	81	0.5		
Physical Analysis	Grit#	Max Size	Big Size	Basic Size	Mixed Size	Small Size	Chemical Analysis	
	SiC24	+1.18	+0.85	+0.71	+0.60	-0.50	SiC	99.75%
	Standard	0%	0-25%	45-100%	65-100%	0-3%	Fe ₂ O ₃	0.08%
	Sample 1	0	13	56	80	0.5	Free C	0.07%
	Sample 2	0	13	56	80	0.5		
Physical Analysis	Grit#	Max Size	Big Size	Basic Size	Mixed Size	Small Size	Chemical Analysis	
	SiC60	+0.425	+0.30	+0.25	+0.212	-0.18	SiC	99.73%
	Standard	0%	0-30%	40-100%	65-100%	0-3%	Fe ₂ O ₃	0.08%
	Sample 1	0	15	50	81	0.5	Free C	0.08%
	Sample 2	0	15	50	81	0.5		
Physical Analysis	Grit#	Max Size	Big Size	Basic Size	Mixed Size	Small Size	Chemical Analysis	
	SiC80	+0.300	+0.212	+0.180	+0.150	-0.125	SiC	99.72%
	Standard	0%	0-25%	40-100%	65-100%	0-3%	Fe ₂ O ₃	0.10%
	Sample 1	0	13.95	51.43	68.3	0.31	Free C	0.09%
	Sample 2	0	13.95	51.43	68.3	0.31		
Physical Analysis	Grit#	Max Size	Big Size	Basic Size	Mixed Size	Small Size	Chemical Analysis	
	SiC120	+0.180	+0.125	+0.106	+0.090	-0.063	SiC	99.68%
	Standard	0%	0-20%	40-100%	65-100%	0-3%	Fe ₂ O ₃	0.11%
	Sample 1	0	13.31	40.63	66.42	0.8	Free C	0.10%
	Sample 2	0	13.31	40.63	66.42	0.8		
Physical Analysis	Grit#	Max Size	Big Size	Basic Size	Mixed Size	Small Size	Chemical Analysis	
	SiC150	+0.150	+0.106	+0.075	+0.063	-0.045	SiC	99.65%
	Standard	0%	0-15%	40-100%	65-100%	0-3%	Fe ₂ O ₃	0.13%
	Sample 1	0	5.5	66.59	84.73	0.3	Free C	0.12%
	Sample 2	0	5.5	66.59	84.73	0.3		