

CARBOREX FP

BLACK SILICON CARBIDE FINE POWDERS

FOR CERAMIC APPLICATIONS

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CARBOREX SILICON CARBIDE powders are produced to specific particle size distribution, surface area and purity for ceramic applications like liquid filtration, coatings and other technical ceramics.

PARTICLE SIZE AND SURFACE AREA

	d0 [µm] Max.	d10 [µm] Max.	d50 [µm]	d90 [µm] Min	S.S.A [m ² /g]
FP 13	12	1,8±0,4	0,85±0,25	0,2	13±1
FP 15	12	1,7±0,3	0,75±0,25	0,2	15±1
FP 19	10	1,3±0,3	0,65±0,15	0,2	19±1

Particle size distribution measured on Malvern Mastersizer.
Specific Surface Area (S. S. A.): BET by Tristar.

TYPICAL IMPURITY LEVELS

	Free C [wt%]	Free Si [wt%]	SiO ₂ [wt%]	Fe [wt%]	Al [wt%]	Ca [wt%]	O [wt%]
FP 13	0,50	0,35	1,4	0,10	0,03	0,03	1,0
FP 15	0,50	0,35	1,5	0,15	0,03	0,03	1,0
FP 19	0,60	0,35	1,8	0,15	0,05	0,03	1,5

Free C, Free Si, SiO₂ measured according to FEPA-Standard 45-1:2011.
Fe, Al, Ca measured with XRF.
Oxygen measured by combustion and IR detection.

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updated April 2018

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