

SIKA® Sintex 10C / 13 / 13C / 15 / 15C / 25

Product information

Silicon carbide powders for solid-state (SSiC) or liquid-phase (LP-SiC) sintered technical ceramics

Fine silicon carbide powders produced to specific surface area and purity for high performance structural ceramic applications. The powders are specially designed to obtain optimum sinterability in production of solid state (SSiC) and liquid phase (LP-SiC) sintering applications.

Packaging: Sintex 10C / 13 / 13C / 15 / 25, 500 kg big bags

Packaging: Sintex 15C, 25 kg paperbox.

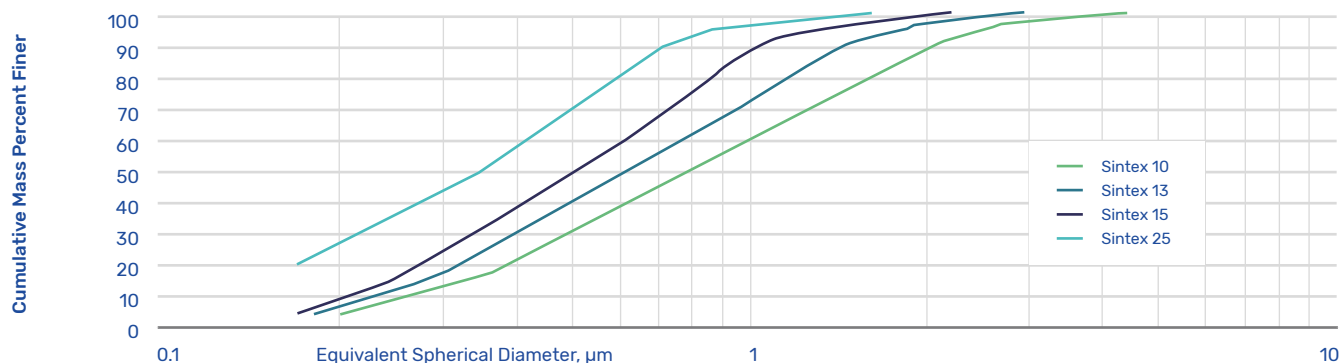
Typical chemistry

	Free-SiO ₂	Free-Si	Free-C	Tot. Oxygen	S.S.A.	pH
Sintex 10C	0.60%	0.05%	0.20%	0.65%	10 m ² /g	6 – 7
Sintex 13	1.50%	0.50%	0.30%	1.75%	13 m ² /g	7 – 8
Sintex 13C	0.70%	0.05%	0.15%	0.75%	13 m ² /g	6 – 7
Sintex 15	1.20%	0.10%	0.20%	1.20%	15 m ² /g	6 – 7
Sintex 15C	0.75%	0.05%	0.20%	0.85%	15 m ² /g	6 – 7
Sintex 25	na	0.10%	0.50%	1.60%	25 m ² /g	7 – 8
Analytical procedures:	ANSI B74.15			LECO	Micromeritics Gemini V	25 gr. SiC + 50 ml D.I.H ₂ O

Typical trace elements

	Tot. Fe ppm	Tot. Al ppm	Tot. Ni ppm	Tot. V ppm	Tot. Na ppm	Tot. Cr ppm	Tot. Ca ppm	Tot. Ti ppm	Tot. Mg ppm	Tot. K ppm
Sintex 10C	30	400	< 10	70	< 100	< 10	20	200	< 100	20
Sintex 13	1500	1750	na	na	na	na	na	na	na	na
Sintex 13C	50	1200	< 10	70	< 100	< 10	20	200	< 100	20
Sintex 15	350	400	< 10	70	< 100	< 10	20	200	< 100	20
Sintex 15C	50	250	< 10	70	< 100	< 10	20	200	< 100	20
Sintex 25	450	500	< 10	70	< 100	< 10	20	200	< 100	20
Analytical procedures:	X-RAY Fluorescence									

Typical SIKA® sedimentation curves (Sedigraph)



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