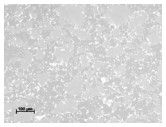
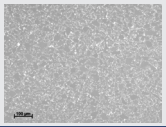
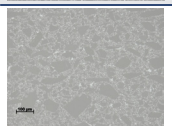
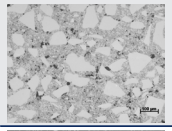
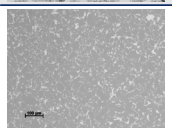
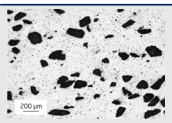
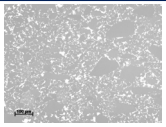
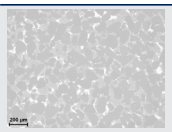
Technical Ceramics

Keramische Werkstoffe im Vergleich

Hier finden Sie alle Werkstoffe von Schunk Technical Ceramics im Vergleich

Material	Bild	Dichte [g/cm³]	Offene Porosität [Vol.%]	Biege-festigkeit (4-Punkt) [MPa]	Druck-festigkeit [MPa]	Elastizitäts-modul [GPa]	Härte	Wärmeaus-dehnungskoef-fizient RT - 400 °C [µ/K]	Wärmeleit-fähigkeit [W/mK]	Chemische Zusammensetzung
CarSIK-B_4C		2,85	0	220		350	29.000			B_4C: 30 % SiC: 57 % Si: 12 %
CarSIK-G		3,09	0	280	1000	360	25.000	4,9	160	SiC: 88 % Si: 11 %
CarSIK-GD		3,1	0	280	1.000	360	25.000	4,9	160	SiC: 89 % Si: 10 %
CarSIK-NG		2,85	1	200		220		4,6	12	SiC: 65 % Si_3N_4 + Si_2ON_2: 27 % Oxide: 8 %
CarSIK-NT		3,09	0	280	3.000	360	25.000	3,9	120	SiC: 88 % Si: 12 %
CarSIK-SD		3,1	0	390	380	400	25.000	4,0	110	SiC: 98,5 %
CarSIK-Z		3,09	0	280	1.000	360	25.000	4,9	160	SiC: 88 % Si: 11 %
IntrinSiC		3,05	0	210		380	25.000	3,9	200	SiC: 86 % Si: 14 %
CarSIK-70ZA		2,1	25	30				5,0	7	SiC: 70 %
ZirSIK-95 TA		4,3	25					9,6	2	ZrO_2: 95 % CaO 4 %
AluSIK-99ZA		3,8	0	300				8,0	25	

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