

BLACK SILICON CARBIDE DATA SHEET

	C-F	For making grinding wheels	
	C-P	For making coated abrasives	
	C-R	For refractory	
Chemical Composition			
	Guarantee Content (%)		Typical Content (%)
SiC	98.50% min.		99.07%
Fe2O3	0.20% max.		0.17%
SiO2	0.20% max.		0.16%
Free C	0.10% max.		0.04%
CaO	0.05% max.		0.04%
MgO	0.05% max.		0.03%
Physical Properties			
Color	Black		
Specific Gravity	3.55 g/cm3		
Hardness	9 Mohs		
Grit No.	Bulk Density g/cm3		
	C-P	C-V	
F10	1.80-2.00	1.84-2.07	
F12	1.79-1.98	1.83-2.06	
F14	1.78-1.97	1.81-20.4	
F16	1.76-1.95	1.80-2.03	
F20	1.75-1.93	1.78-1.96	
F24	1.73-1.90	1.76-1.94	
F30	1.72-1.88	1.74-1.93	
F36	1.70-1.86	1.72-1.92	
F40	1.68-1.85	1.70-1.90	
F46	1.66-1.84	1.68-1.88	
F54	1.65-1.85	1.66-1.86	
F60	1.63-1.83	1.64-1.85	
F70	1.61-1.81	1.62-1.83	
F80	1.59-1.80	1.60-1.81	
F90	1.58-1.75	1.58-1.75	
F100	1.57-1.73	1.57-1.73	
F120	1.55-1.71	1.55-1.71	
F150	1.54-1.68	1.54-1.68	
F180	1.52-1.66	1.52-1.66	
F220	1.50-1.65	1.50-1.65	