



Silicon Carbide

Silicon carbide is a ceramic compound formed by the combination of silicon (Si) and carbon (C) elements. Its chemical formula is SiC. Due to its high temperature resistance, mechanical strength, chemical resistance, and electrical properties, silicon carbide is widely used in various industrial applications. It is a ceramic that can withstand high temperatures and thermal shocks, and exhibits high resistance to wear and corrosion. Because of these properties, it finds applications in industrial furnaces, reactors, cutting tools, abrasive materials, armor plates, and high-temperature electronic devices.

Applications

- Sandblasting
- Grinding – Metal preparation
- Refractory
- Sandpaper – Cloth and Polishing

Available Sizes

Fepa Standards	Micron (µm)
F008	2000 - 2800
F010	1700 - 2360
F012	1400 - 2000
F014	1180 - 1700
F016	1000 - 1400
F020	850 - 1180
F022	710 - 1000
F024	600 - 850
F030	500 - 710
F036	425 - 600
F040	355 - 500
F046	300 - 425
F054	250 - 355
F060	212 - 300
F070	180 - 250
F080	150 - 212
F090	125 - 180
F100	106 - 150
F120	90 - 125
F150	63 - 106
F180	63 - 90
F220	53 - 75

Chemical Analysis

Compound	Percent (%)
SIC	99
Fe ₂ O ₃	0,20
C-frei	0,50
Magnetfraktion	0,12

Physical Properties

Sertlik	9 – 10 Mohs
Şekil	Angular
Erime Noktası	~ 2300 °C
Yoğunluk	3,2 g/cm ³
Kitle Yoğunluğu	0,75 – 1,82 g/cm ³

Packaging

25kg Kraft bags on pallet of 1 ton