



Silicon Carbide for Refractories

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During the manufacture of silicon carbide for Abrasive and Grinding Tools, plenty of silicon carbide with SiC%<90% are produced as concomitant. Such silicon carbide (SiC%<90%) is called Low SiC, which is widely used for refractory industries, and the deoxidizer, tapping clay, castables for the metallurgy industries.

The SiC content shall be classified as 90%, 88%,85%,80%, 75%, 70%,65%,60%,55%,50%,45%,40%.

The particle sizes shall be less than 60#.



Technical Parameters

Product Name	Code	Characteristic	SiC	Free C	Fe ₂ O ₃
High Grade SiC Fire Sand	TN97	Black coarse crystallization	≥97%	≤0.3%	≤0.5%
SiC Fire Sand	TN90	Black coarse & fine crystallization	≥90%	≤2.5%	≤2.0%
Ordinary SiC Fire Sand	TN83	Black fine crystallization	≥83%	≤7.0%	≤2.0%
Economic SiC Fire Sand	TN42	Yellow green fine crystallization	≥42%	≤15%	≤2.0%

Re:

1. Product Quality is in accordance with China Industrial Standard JB/CQ6001-82, which is applied to the SiC sand used for producing refractories or used for fire sand and fire clay.
2. The SiC for Refractories shall be with particle size less than 3.15mm, the proportion of 0.1~3.15mm shall be more than 85%.

The special requirement of particle sizes from customer is accepted.

3. It is prohibited that the visible low melting point impurity (i.e. filings) is mixed with the SiC for Refractories.

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