

TECHNICAL DATA SHEET

品名: 黑碳化硅

粒度:#12-#220

碳化硅, 化学式为 SiC, 是用石英砂、石油焦(或煤焦)、木屑(生产绿色碳化硅时需要加食盐)等原料通过电阻炉高温冶炼而成。具有高强度, 高硬度, 耐磨, 耐腐蚀, 抗氧化, 高热导率, 良好的高温稳定性, 低的线胀系数, 强的耐化学腐蚀性等

化学成分(典型值)

SiC	≥98.6%
F.C	≤0.20%
Fe ₂ O ₃	≤0.40%
SiO ₂	≤0.05%

物理特性(典型值)

密度	≥3.12g/cm ³
莫氏硬度	9.15
熔点	2250°C
磁性物含量	≤0.025%

粒度分布行业标准

#12	+2800um	0	+2000um	≤20%	+1700um	≥45%	+1700+1400um	≥70%	-1180um	≤3%
#14	+2360um	0	+1700um	≤20%	+1400um	≥45%	+1400+1180um	≥70%	-1000um	≤3%
#16	+2000um	0	+1400um	≤20%	+1180um	≥45%	+1180+1000um	≥70%	-850um	≤3%
#20	+1700um	0	+1180um	≤20%	+1000um	≥45%	+1000+850um	≥70%	-710um	≤3%
#22	+1400um	0	+1000um	≤20%	+850um	≥45%	+850+710um	≥70%	-600um	≤3%
#24	+1180um	0	+850um	≤25%	+710um	≥45%	+710+600um	≥65%	-500um	≤3%
#30	+1000um	0	+710um	≤25%	+600um	≥45%	+600+500um	≥65%	-425um	≤3%
#36	+850um	0	+600um	≤25%	+500um	≥45%	+500+425um	≥65%	-355um	≤3%
#46	+600um	0	+425um	≤30%	+355um	≥40%	355+300um	≥65%	-250um	≤3%
#54	+500um	0	+355um	≤30%	+300um	≥40%	+300+250um	≥65%	-212um	≤3%
#60	+425um	0	+300um	≤30%	+250um	≥40%	250+212um	≥65%	-180um	≤3%
#70	+355um	0	+250um	≤25%	+212um	≥40%	+212+180um	≥65%	-150um	≤3%
#80	+300um	0	+212um	≤25%	+180um	≥40%	+180+150um	≥65%	-125um	≤3%
#90	+250um	0	+180um	≤20%	+150um	≥40%	+150+125um	≥65%	-106um	≤3%
#100	+212um	0	+150um	≤20%	+125um	≥40%	+125+106um	≥65%	-75um	≤3%
#120	+180um	0	+125um	≤20%	≥40%	≥40%	+106+90um	≥65%	-63um	≤3%
#150	+150um	0	+106um	≤15%	+75um	≥40%	+75+63um	≥65%	-45um	≤3%
#180	+125um	0	+90um	≤15%	+75um+63um	≥40%	≥40%	+75um+63um+53um	≥65%	
#220	+106um	0	+75um	≤15%	+63um+53um	≥40%	≥40%	+63um+53um+45um	≥60%	

包装: 25 千克小袋+吨包

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