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Technical Information

Materials & Item	Apply to : Silicon Carbide Plate (Sic Plate) Silicon Carbide Fish Setter (Sic Fish Setter)		
Item	Unit	Index	Normal Size
Density	g/cm3	2.75-2.85	370*500*11, 400*450*10 400*420*10, 400*500*11 400*550*12, 400*600*12 400*650*12, 420*450*10 450*500*12, 480*500*12 500*500*12, 500*520*12 500*550*12, 500*600*13 500*700*14, 560*800*15 600*660*15, 600*700*14 600*720*17, 600*770*15 600*800*15, 610*700*14 620*620*20, 620*680*15 630*720*20, 650*720*22 800*800*28, 900*900*30
Apparent Porosity	%	<14	
Compressive strength	Mpa	>90	
Modules of rupture	Mpa	>45(20℃)	
	Mpa	>56(1300℃)	
Coefficient of thermal expansion	K-1*10-6	4.8	
Load melting temperature	℃	>1700	
Working temperature	℃	1450	
Thermal conductivity	w/m.k	14	
SIC	%	≥88	
Sio2	%	<6	
Al2O3	%	<2	
Remark: Data of properties listed above are typical results from test pieces and therefor should be used only as guidance.			