

AF **WAF** **MeAF** **SF** **MF** **SIL**

Property	Test Method	AF	WAF	MeAF	SF	MF	SIL
Color	Light Gray	White	White / Light Gray	Dark Gray	White	White	White
Chemistry (%)	ICP & EDS						
SiC		---	---	---	84	---	---
SiO ₂		8	7	8	---	30	97.5
Al ₂ O ₃		87	91	87	13	69	1.5
Other		5	2	5	3	1	1
Density (g/cc)	ASTM C-373	2.1	2.1	2.1	1.8	2.1	1.7
Modulus of Rupture 3 pt. MOR (MPa)							
RT	ASTM C-583	26	25	26	26	19-28	7-12
400°C	ASTM C-583	26	26	26	31	20	n/a
800°C	ASTM C-583	23	23	23	30	16	n/a
1200°C	ASTM C-583	---	---	---	14	13	n/a
Porosity (%)	Based on Bulk Density	43	43	43	39	32	35
Coefficient of Thermal Exp. X 10 ⁻⁶ /°C (RT-500°C)	ASTM C-372	8.8	8.8	8.8	4.0	5.4	TBD
Maximum Material Use Limit (°C)		800	800	800	1200	1200	TBD
Thermal Shock Resistance	N/A	Good	Good	Good	Excellent	Excellent	Good

DIFFUSERS



FILTERS



WICKS

