



HTP-100 Technical Data Sheet

Coating Material	Ceramic composite coating stabilized with alumino-phosphate matrix
Color	Grey
Density	2-2.5 g/cm ³
Open Porosity	~35%
Chemical Composition	SiC/Al ₂ O ₃ /AlPO ₄
Recommended Dry Film Thickness (DFT)	0.0005-0.0010" (15-25 μm)
Maximum Use Temperature	2500°F (1371°C)
Continuous Service Temperature	1800°F (982°C)
Emissivity	>0.93 @ 1600 °F 8-14 μm
Dielectric Insulation Rating	10 V/μm
Service Environments	Air, Vacuum, Hydrocarbon, Hydrogen
Suitable Substrates	Metals, Alloys, Specialty Polymer Matrix Composites, Refractory, Advanced Ceramics

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