



CERAMATERIALS

"Your One Stop Shop for Thermal Processing"

Carbon & Graphite Felt Insulation

Carbon Felt



Property	Unit	Measured Value
Bulk Density	(g/cm ³)	0.15 PAN(.12 Rayon)
Carbon Content	(%)	≥97
Thermal Conductivity	(W/m-K)	0.22 PAN(0.21 Rayon)
Specific Resistance	(ohm.cm)	0.18 - 0.22
Tensile Strength	Mpa	0.18 - 0.30
Ash Content	(%)	≤1.0
Processing Temperature	(°C)	1200
Environment to Use	(°C)	2400 in neutral atmosphere, 3000 in vacuum
Width		Max 1200 mm (48 in) (Custom sizes available)
Thickness		¼ to 2 inches thick (Stock ¼ in & ½ in thick only)
Price (Volume Discounts Available)		USD \$30 / lb. PAN & \$44 / lb Rayon

Graphite Felt



Property	Unit	Measured Value
Bulk Density	(g/cm ³)	0.12 PAN(0.085 Rayon)
Carbon Content	(%)	≥99
Thermal Conductivity	(W/m-K)	0.35(0.29 Rayon)
Specific Resistance	(ohm.cm)	0.14 - 0.18
Tensile Strength	Mpa	0.1-0.25
Ash Content	(%)	≤0.5
Processing Temperature	(°C)	2000
Environment to Use	(°C)	2400 in Neutral Atmosphere, 3000 in Vacuum
Width		Max 1200 mm (48 in) (Custom Sizes Available)
Thickness		¼ to 2 Inches Thick (Stock ¼ in & ½ in Thick Only)
Price (Volume Discounts Available)		USD \$50 / lb. PAN & \$70 / lb. Rayon