

Grade: WDF

Manufacturer:	National
Description:	Rayon based graphite felt processed to a minimum of 2500° C; exhibits the greatest oxidation resistance in the presence of trace oxidizing elements in the atmosphere. Shrinkage and water absorption are negligible.
Comparable grades:	PGF

PROPERTY	US VALUE		METRIC VALUE	
Density	0.003	lb/in ³	0.08	gr/cm ³
Linear Shrinkage @ 20 C,	negligible		negligible	
Water Absorption	negligible	%	negligible	
Carbon Content	99.9	%	99.9	%
Ash	0.02	%	0.02	%
Specific Heat, @ 25°C			0.71	
Mean Specific Heat, J/g/C @140			1.67	
Emissivity	0.99		0.99	
Sublimation Temperature	6512		3600	
Surface Area (Nitrogen) m²/g			0.7	
Thermal Conductivity		BTU/(h.ft ² °F/ft)	0.43	W/(m ² . K/m)
Vapor Pressure, microns @ 2270			1	