



Thermshield™ Soft Carbon Felt

Material Grade: TSF-11C

Typical Physical Properties

	SI Units	English Units
Density	0.085 g/cm ³	5.22 lb/ft ³
Thermal Conductivity (Argon) 600°C (1112°F) ⊥	0.15 W/mK	1.04 BTU in/hr ft ² (°F)
Thermal Conductivity (Argon) 1200°C (2192°F) ⊥	0.31 W/mK	2.15 BTU in/hr ft ² (°F)
Electrical Resistivity	3 Ωcm	1.20 Ωin
Specific Heat (20°C)	0.73 J/g-K	0.17 BTU/lb-F
Process Temperature	1200°C	2192°F
Carbon Content	99%	
Material Precursor	Rayon Felt	

Dimensional Data

Thickness Designation	Nominal Thickness ¹		Minimum Width ²		Maximum Width		Typical Roll Length		Typical Roll Weight ³	
	mm	Inches	mm	Inches	mm	Inches	Meters	Feet	kg	lbs
½"	11	0.43	1067	42	1118	44	18	59	16.33	36

Notes:

- 1) Thickness may vary +/- 1.5mm (0.060") from the nominal.
- 2) To purchase rolls with guaranteed widths in excess of 42" (1067mm), please discuss with your sales representative.
- 3) The price of individual rolls is calculated based on the weight of the actual roll shipped multiplied by the quoted price/lb.