



**Mersen USA Greenville-MI Corp.**

**(Formerly Graphite Engineering and Sales, Inc.)**  
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## *Carbon & Graphite Felt*

### **Typical Properties**

<b>Property</b>	<b>units</b>	<b>Temperature ° C</b>	<b>Carbon Felt</b>	<b>Graphite Felt</b>
Density	g/cc	20	0.09	0.08
Carbon content	%		99	99.5
Ash	ppm		2300	500
Specific Heat	J/g/° C	20	0.71	0.71
Mean Specific Heat	J/g/° C	1400	1.67	1.67
Emissivity			0.99	0.99
Sublimation Temp.	° C		3600	3600
Surface Area(Nitrogen)	m2/g	20	0.6	0.7
Thermal Conductivity	W/mK	1000	0.25	
		1400		0.43
Vapor Pressure	microns	2270	1	1
		2440	10	10
		2620	100	100
Approx. Processing Temperature	° C		1400	2500

Carbon and Graphite felt can be an effective material to solve your high temperature insulating needs.

It can be particularly effective with induction furnaces or with furnaces using a cylindrical style hot zone.

Carbon and Graphite Felt typically come in 0.25" or 0.50" thicknesses, 40" widths, and in lengths of up to 100 feet.