



## BEIJING CFCCARBON CO., LTD

### PAN & RAYON soft graphite felt

1. Product properties /data sheet comparison and prices:

Types	PAN soft felt		Rayon soft felt		
Grade name	PSF-1	PSF-3	RSF-3	RSF-3H	RSF-3HP
Thickness /mm	3-12		5±0.5; 10±1		
Width /mm	1000-1500		1200-1400		
Length per roll /m	20--25		20-25		
Carbon content	≥99.8%	≥99.95%	≥99.95%	≥99.99%	≥99.99%
Ash content	≤2000PPM (Non Si ash content)	≤500PPM (Non Si ash content)	≤500PPM	≤100PPM	≤20PPM
Bulk density /g/cm <sup>3</sup>	0.13~0.15	0.11~0.13	0.085~0.110	0.085~0.110	0.085~0.110
Thermal conductivity (25°C)	<0.25W/m.K	<0.3W/m.K	<0.07W/m.K	<0.07W/m.K	<0.1W/m.K
Thermal conductivity (1000°C)	<0.4W/m.K	<0.5W/m.K	<0.18W/m.K	<0.2W/m.K	<0.25W/m.K
Thermal conductivity (1500°C)	<0.60W/m.K	<0.70W/m.K	<0.25W/m.K	<0.3W/m.K	<0.40W/m.K
Specific resistance /Ohm.cm	0.12~0.16	0.10~0.15	0.12~0.16	0.10~0.15	0.12~0.16
Tensile strength /Mpa	0.10-0.12	0.10-0.12	0.12-0.22	0.12-0.22	0.10-0.20
Processing temperature	1000 °C	2000 °C	1900 °C	2100 °C	2300 °C
Application temperature (Vacuum/inert gases)	1200~1800 °C	1600~2800 °C	1600~2000 °C	1800~2500 °C	1800~2500 °C
Application temp (Oxygen)	≤400 °C	≤450 °C	≤400 °C	≤450 °C	≤400 °C
Price \$/kgs EXW basis.	15\$/kgs	23\$/kgs	24-26\$/kgs	40-43\$/kgs	70-76\$/kgs
Density for w.t calculation	0.13g/cm <sup>3</sup>	0.13g/cm <sup>3</sup>	0.10g/cm <sup>3</sup>	0.10g/cm <sup>3</sup>	0.10g/cm <sup>3</sup>

2. Product application

It is used for heat preservation and refractory materials of high-temperature furnaces such as single crystal furnaces, carbonization furnaces, quartz furnaces, vacuum furnaces, induction furnaces, high-frequency furnaces, heat balance reaction furnaces, heat treatment furnaces, sintering furnaces, brazing furnaces, and high-pressure furnaces, which can save Lots of energy.

3. Product Specifications

Customized service can be provided, product density, width, thickness and length can be customized.