MIRAYPAN CARBONS PRIVATE LIMITED

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Material Data Sheet

Material Description : **Rayon Carbon Felt**

Product Code : **MI-RCFLT-01**

Data

1	Precursor	: Rayon Yarn

Chemical Properties

Sl.no	Parameter	UOM	Specification	
1	Carbon content	Weight %	: 99 %	min.
2	Ash content	Weight %	: 0.25	max
3	Sulphur content	Weight %	: 0.07	max.

Mechanical Properties

Sl.no	Parameter	UOM	Specification	
1	Breaking Strength	Mpa	0.13	
2	Density	g/cc	0.09	
3	Linear Shrinkage[1]	%	1	max.
4	Water Absoprtion	%	1	max.
5	Friability (Dusting)	%	1.5	max.
6	Emissivity		0.99	
7	Sublimation Temp.	°F/°C	6512 / 3600	
8	Surface Area (Nitrogen)	m^2/g	0.6	
9	Thermal Conductivity 2102°F/1150°C	W/mk	0.11	
10	Vapor Pressure 4118°F / 2270°C 4424°F / 2440°C 4748°F / 2620°C	Microns	1 10 100	
11	Temperature Rating[2]	°F/°C	5432 / 3000	
12	Pre-Fire Temperature	°F/°C	3452 / 1900	

Important

All information is considered to be correct but is given without acceptance of responsibility. Users should make their own assessment of the suitability of any product for the purpose and requirements.