



AMALGAMATED INDUSTRIAL COMPOSITES PVT LTD.

AN ISO 9001-2015 CERTIFIED
Since 1984

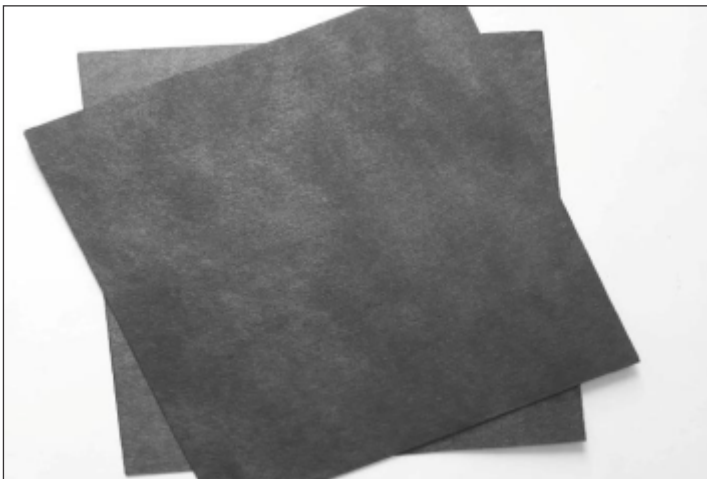
DATASHEET OF JSR 180

AICPL - JSR 180 is a carbon composites paper which has been used for PAFC & PEFC. Its high mechanical strength conductivity and gas permeability are suitable for use in fuel cell applications.

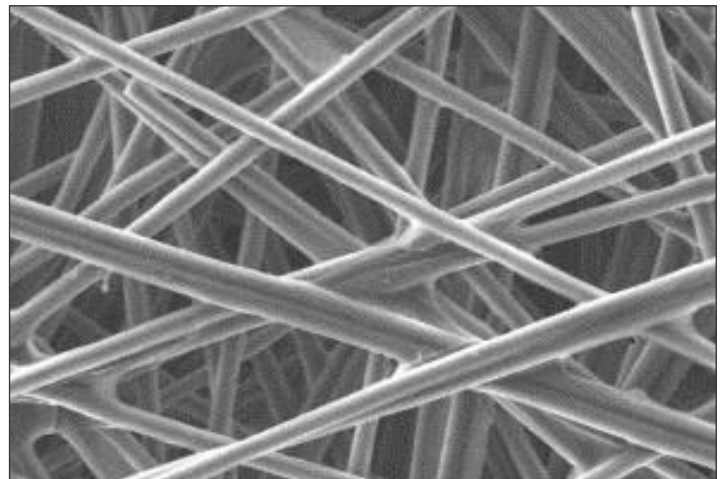
Characteristics

- ❖ High strength
- ❖ Good handling.
- ❖ Excellent gas permeability and low Electrical resistivity.
- ❖ Minimal electrochemical corrosion.

Type Parameters	JSR-180
Thickness	170 to 190 μ
Porosity	> 70%
Pore Size Range	10 – 60 μ
In plane Resistivity	$\leq 0.005 \Omega\text{CM}$
Through Plane Resistivity	$\leq 0.08 \Omega\text{CM}$
Flexural Strength	$\geq 35\text{-}40\text{MPA}$
Bulk Density	0.45-0.52GM/CC
Available Sizes (in MM)	100x100, 200x200, 300x300, 340x440, 450x450, 500x500 and bigger sizes as per requirement



AICPL - JSR 180



S E M