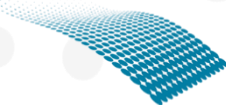


AvCarb G280 Felt

Compressible Porous Graphitic Felt

AvCarb®



Product Benefits

✓ Value to the customer

- Best in Class Product Uniformity
- High Purity Graphitization
- Widest & Longest Continuous Commercial Rolls

✓ Functionality

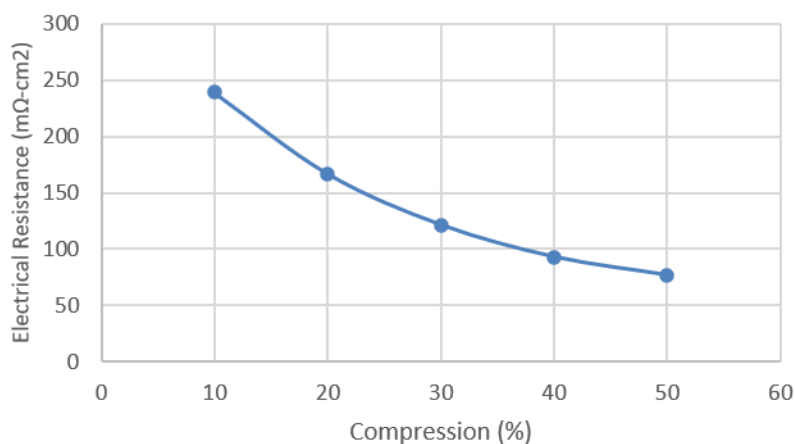
- High Surface Area
- Low Electrical Resistance
- High Corrosion Resistance

✓ Performance Characteristics

- High Gas Diffusion & Permeability
- Consistent Compression
- Highly Active Surface & Good Wettability (if desired)

Nominal Properties	Unit	AvCarb G280 Felt
Nominal Thickness @ 1.7 kPa	mm	2.8
Nominal Basis Weight	g/m ²	207
Oxidation Rate	% / hr	0.46
Bulk Density @ 1.7 kPa	g/cm ³	0.075
TP Electrical Resistance @ 43 kPa	mΩ.cm ²	107
Average Roll Length	m	76

TP Resistance vs. Compression (%)



AvCarb Material Solutions
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AvCarb Material Solutions specializes in the development and production of advanced carbon materials. With a rich heritage dating back to the 1960s, we are a global leader in supplying innovative carbon-based solutions for industries including aerospace, energy, and chemical processing.

We design and manufacture high-performance engineered carbon materials such as fabrics, felts, and papers. Our products are known for exceptional quality, reliability, and performance —especially in high-growth electrochemical applications like fuel cells, electrolyzers, and advanced batteries. Our deep technical expertise and commitment to innovation have earned us a reputation as a trusted provider of advanced carbon materials.

Global Markets

Our specialty carbon products provide the highest performance and best quality in markets that are critical for energy security and stability, improving fuel efficiency, reducing global warming, and delivering high-end user satisfaction.

Electrochemical

- Fuel Cells
- Electrolyzers
- Flow Batteries
- Lithium-ion Batteries

Chemical Process

- Chlor-Alkali Electrodes
- Capacitive Deionization
- Activated Carbon Filters

Transportation

- Fuel Cells
- Torque Converter
- Cone Synchronizer
- Wet Clutch and Brakes

Sporting Goods

- Sport Fishing



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