

AvCarb®

GRAPHITE FELTS FOR FLOW BATTERIES

"AvCarb is committed to providing the best performing materials and world-class technical support to innovators in the energy storage market."



President and CEO
AvCarb Material Solutions

Product Highlights:

- ✓ Activated by AvCarb®
- ✓ Highly Uniform Construction
- ✓ Low Thru Plane Resistance
- ✓ High Purity
- ✓ Superior Conductivity

Quick Connections:

- ☎ 978-452-8961
- 🖨 978-934-7950
- ✉ sales@avcarb.com
- 🌐 www.AvCarb.com
- 🏠 Two Industrial Avenue
Lowell, MA 01851-5199

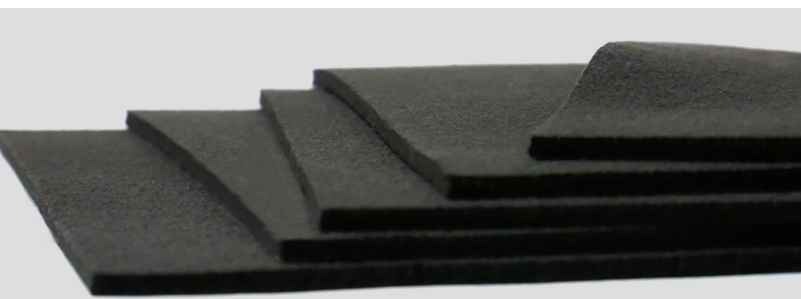


PRODUCT OVERVIEW

AvCarb PAN-based felts are optimized to deliver both superior energy efficiency and long-term durability throughout the life of your electrochemical system.

With redox flow battery developers in mind, AvCarb felts are engineered to exhibit low thru-plane resistance and exceptional electrolyte flow. Our manufacturing processes ensure an ultra-high purity, highly uniform product with negligible batch-to-batch variation. All felt electrode products are precision die cut and include our proprietary Activated by AvCarb® treatment. Standard thicknesses range from 2.8mm to 6.0mm and custom thicknesses are available upon request.

Contact us today to receive complimentary samples!



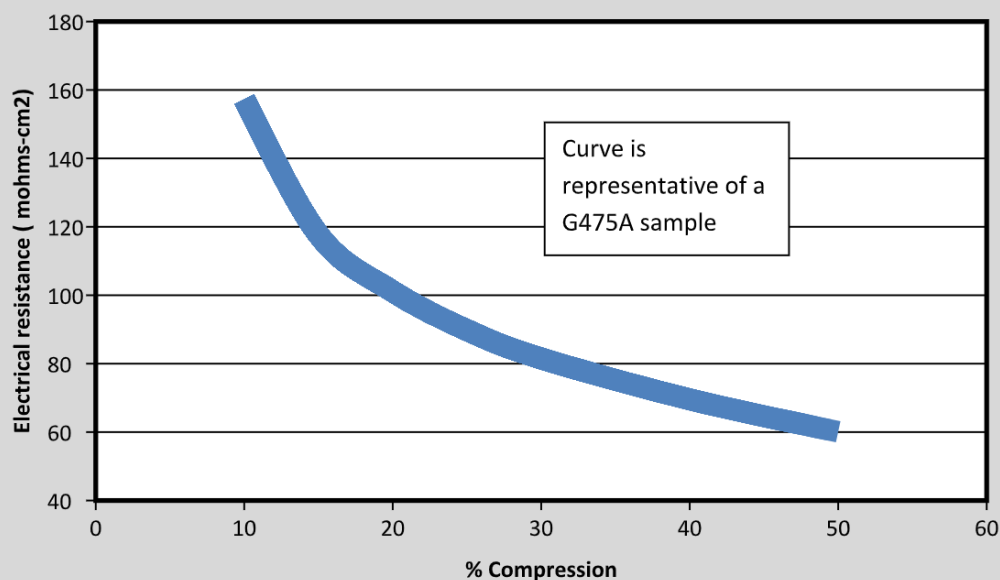
GRAPHITE FELTS

STANDARD PRODUCTS



Property	G300A	G475A	G600A
Nominal Thickness (mm @ 1.7kPa)	3.4	4.7	6.1
Compressed Thickness (mm @ 43kPa)	3	3.7	4.7
Areal Weight (g/m ²)	300	440	640
Bulk Density (g/cm ³ @ 1.7 KPa)	0.09	0.1	0.11
Thru Plane Resistance (mΩ-cm ² @43KPa)	<130	<130	<130

**Thru Plane Resistance vs % Compression
Activated Felt**



Activated By
AvCarb[®]