



## AvCarb® Heat Spreaders

### Moving Energy with Carbon



### AvCarb Heat Spreaders

For decades, systems developers have relied on AvCarb products for dissipating heat in critical applications. AvCarb products dissipate heat in high temperature furnaces, aerospace structures, and electronics.

The newest addition to our portfolio of high-performance products is AvCarb Heat Spreader (HS) materials. AvCarb HS is a US-made pyrolytic graphite for applications requiring rapid, in-plane heat dissipation.

#### AvCarb HS Material Benefits

- ▶ High in-plane thermal conductivity (4x copper!)
- ▶ Flexible
- ▶ Thin, lightweight

#### AvCarb HS Typical Applications

- ▶ Smartphones
- ▶ Tablet computers
- ▶ LED lighting

#### AvCarb HS Product Format

- ▶ Sheets 220 mm x 260 mm

Product	AvCarb HS-025
Thickness (mm)	0.025
Thermal Conductivity X,Y Direction (W/M-K)	>1600
Thermal Conductivity Z Direction (W/M-K)	15
Thermal Diffusivity (cm <sup>2</sup> /s)	8.7
Density (g/cc)	2.1
Continuous Temperature Resistance (*C)	400
Sheet Dimensions (mm)	220 x 260



**\* Contact Us Today to Discuss Your Thermal Management Applications**

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