

## ERG Aerospace Reticulated Vitreous Carbon (RVC)

Category : Carbon

**Material Notes:**

Glass-like Carbon Foam

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ERG-Aerospace-Reticulated-Vitreous-Carbon-RVC.php](http://www.lookpolymers.com/polymer_ERG-Aerospace-Reticulated-Vitreous-Carbon-RVC.php)

| Physical Properties | Metric      | English                    | Comments                        |
|---------------------|-------------|----------------------------|---------------------------------|
| Density             | 0.0500 g/cc | 0.00181 lb/in <sup>3</sup> | Produced at 3% relative density |

| Mechanical Properties      | Metric              | English         | Comments |
|----------------------------|---------------------|-----------------|----------|
| Tensile Strength, Yield    | 0.170 - 1.02 MPa    | 24.7 - 148 psi  |          |
| Modulus of Elasticity      | 0.0310 - 0.0620 GPa | 4.50 - 8.99 ksi |          |
| Compressive Yield Strength | 0.280 - 1.20 MPa    | 40.6 - 174 psi  |          |
| Compressive Modulus        | 0.0310 - 0.0620 GPa | 4.50 - 8.99 ksi |          |
| Shear Modulus              | 0.0300 GPa          | 4.35 ksi        |          |

| Thermal Properties     | Metric                | English                                     | Comments |
|------------------------|-----------------------|---|----------|
| Specific Heat Capacity | 1.26 J/g-°C           | 0.301 BTU/lb-°F                             |          |
| Thermal Conductivity   | 0.0330 - 0.0500 W/m-K | 0.229 - 0.347 BTU-in/hr-ft <sup>2</sup> -°F |          |
| Melting Point          | 3499 °C               | 6330 °F                                     |          |

### Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China