

VeroGray™ RGD850

Unspecified

Stratasys

Message:

PolyJet rigid opaque materials give you brilliant color and includes VeroCyan™, VeroMagenta™, VeroYellow, VeroWhitePlus™, VeroGray™, VeroBlue™ and VeroBlackPlus™.

Ideal for:

- Fit and form testing
- Moving parts and assembled parts
- Sales, marketing and exhibition models
- Assembly of electronic components
- Silicon molding

| General Information | | | |
|-----------------------------------|----------------------------------|-------------------|-------------|
| Features | High Rigidity | | |
| Uses | Electrical Parts | | |
| | Engineering Parts | | |
| | Modeling Material | | |
| | Mold Making | | |
| | Prototyping | | |
| Appearance | Grey | | |
| | Opaque | | |
| Processing Method | 3D Printing, Jetted Photopolymer | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.17 to 1.18 | g/cm ³ | ASTM D792 |
| Water Absorption (24 hr) | 1.1 to 1.5 | % | ASTM D570 |
| Ash Content | 0.23 to 0.26 | % | USP 281 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (M-Scale) | 73 to 76 | | |
| Durometer Hardness (Shore D) | 83 to 86 | | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 2000 to 3000 | MPa | ASTM D638 |
| Tensile Strength | 50.0 to 65.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 10 to 25 | % | ASTM D638 |
| Flexural Modulus | 2200 to 3200 | MPa | ASTM D790 |
| Flexural Strength | 75.0 to 110 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 20 to 30 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |

| | | | |
|------------------------------|--------------|----|-----|
| 0.45 MPa, Unannealed | 45.0 to 50.0 | °C | |
| 1.8 MPa, Unannealed | 45.0 to 50.0 | °C | |
| Glass Transition Temperature | 52.0 to 54.0 | °C | DMA |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

