

# RTP 3199 X 117877 B

Perfluoroalkoxy  
RTP Company

Message:  
Carbon Nanotube - Electrically Conductive - High Purity

| General Information             |                         |                   |                  |
|---------------------------------|-------------------------|-------------------|------------------|
| Filler / Reinforcement          | Carbon Nano             |                   |                  |
| Features                        | Electrically Conductive |                   |                  |
|                                 | High Purity             |                   |                  |
| RoHS Compliance                 | Contact Manufacturer    |                   |                  |
| Processing Method               | Injection Molding       |                   |                  |
| Physical                        | Nominal Value           | Unit              | Test Method      |
| Specific Gravity                | 2.16                    | g/cm <sup>3</sup> | ASTM D792        |
| Mechanical                      | Nominal Value           | Unit              | Test Method      |
| Tensile Modulus                 | 689                     | MPa               | ASTM D638        |
| Tensile Strength                | 20.0                    | MPa               | ASTM D638        |
| Tensile Elongation (Yield)      | > 10                    | %                 | ASTM D638        |
| Flexural Modulus                | 827                     | MPa               | ASTM D790        |
| Impact                          | Nominal Value           | Unit              | Test Method      |
| Notched Izod Impact (3.20 mm)   | 640                     | J/m               | ASTM D256        |
| Unnotched Izod Impact (3.20 mm) | No Break                |                   | ASTM D4812       |
| Electrical                      | Nominal Value           | Unit              | Test Method      |
| Surface Resistivity             |                         |                   |                  |
| --                              | < 1.0E+5                | ohms              | ASTM D257        |
| --                              | < 1.0E+4                | ohms              | ESD STM11.11     |
| Volume Resistivity              | < 1.0E+2                | ohms·cm           | ASTM D257        |
| Static Decay                    | < 2.0                   | sec               | FTMS 101C 4046.1 |
| Injection                       | Nominal Value           | Unit              |                  |
| Drying Temperature              | 121                     | °C                |                  |
| Drying Time                     | 2.0                     | hr                |                  |
| Processing (Melt) Temp          | 343 to 385              | °C                |                  |
| Mold Temperature                | 149 to 232              | °C                |                  |
| Injection Pressure              | 55.2 to 82.7            | MPa               |                  |

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

