

# Witcom PBT 4L3

Polybutylene Terephthalate

Witcom Engineering Plastics B.V.

Message:

Witcom PBT 4L3 is a Polybutylene Terephthalate (PBT) product. It is available in Europe.

Characteristics include:

Flame Rated

Lubricated

| General Information                               |                                 |                   |                |
|---------------------------------------------------|---------------------------------|-------------------|----------------|
| Additive                                          | PTFE + Silicone Lubricant (20%) |                   |                |
| Features                                          | Lubricated                      |                   |                |
| Physical                                          | Nominal Value                   | Unit              | Test Method    |
| Density                                           | 1.40                            | g/cm <sup>3</sup> | ISO 1183       |
| Molding Shrinkage - Flow (3.00 mm)                | 0.90 to 1.4                     | %                 | ISO 2577       |
| Water Absorption                                  |                                 |                   | ISO 62         |
| Saturation, 23°C                                  | 0.40                            | %                 |                |
| Equilibrium, 23°C, 50% RH                         | 0.20                            | %                 |                |
| Mechanical                                        | Nominal Value                   | Unit              | Test Method    |
| Tensile Stress (Yield)                            | < 45.0                          | MPa               | ISO 527-2      |
| Tensile Strain (Break)                            | > 10                            | %                 | ISO 527-2      |
| Flexural Modulus                                  | 1800                            | MPa               | ISO 178        |
| Flexural Stress                                   | 60.0                            | MPa               | ISO 178        |
| Impact                                            | Nominal Value                   | Unit              | Test Method    |
| Notched Izod Impact Strength                      | 5.2                             | kJ/m <sup>2</sup> | ISO 180/1A     |
| Unnotched Izod Impact Strength                    | 30                              | kJ/m <sup>2</sup> | ISO 180/1U     |
| Thermal                                           | Nominal Value                   | Unit              | Test Method    |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 65.0                            | °C                | ISO 75-2/A     |
| CLTE - Flow                                       | 1.3E-4                          | cm/cm/°C          | ISO 11359-2    |
| RTI Imp (3.00 mm)                                 | 105                             | °C                | UL 746         |
| Electrical                                        | Nominal Value                   | Unit              | Test Method    |
| Surface Resistivity                               | 1.0E+14                         | ohms              | ASTM D257      |
| Volume Resistivity                                | 1.0E+15                         | ohms · cm         | ASTM D257      |
| Flammability                                      | Nominal Value                   | Unit              | Test Method    |
| Flame Rating (3.00 mm)                            | HB                              |                   | ISO 1210       |
| Glow Wire Flammability Index (1.60 mm)            | 650                             | °C                | IEC 60695-2-12 |

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.

## 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

