

# Tecnoprene® V60K6 NERO900

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

High fluidity polypropylene homopolymer reinforced with 30% chemically coupled glass fiber

| General Information                                     |                                  |                   |                         |
|---------------------------------------------------------|----------------------------------|-------------------|-------------------------|
| Filler / Reinforcement                                  | Glass Fiber,30% Filler by Weight |                   |                         |
| Features                                                | Chemically Coupled               |                   |                         |
|                                                         | High Flow                        |                   |                         |
|                                                         | Homopolymer                      |                   |                         |
| Agency Ratings                                          | EC 1907/2006 (REACH)             |                   |                         |
| Appearance                                              | Black                            |                   |                         |
| Processing Method                                       | Injection Molding                |                   |                         |
| Physical                                                | Nominal Value                    | Unit              | Test Method             |
| Specific Gravity                                        | 1.12                             | g/cm <sup>3</sup> | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)               | 12                               | g/10 min          | ASTM D1238              |
| Molding Shrinkage                                       | 0.50                             | %                 | Internal Method         |
| Water Absorption (23°C, 24 hr)                          | 0.020                            | %                 | ASTM D570               |
| Ash Content                                             | 30                               | %                 | Internal Method         |
| Mechanical                                              | Nominal Value                    | Unit              | Test Method             |
| Tensile Strength (Break)                                | 95.0                             | MPa               | ASTM D638               |
| Flexural Modulus                                        | 6600                             | MPa               | ASTM D790               |
| Flexural Strength                                       | 145                              | MPa               | ASTM D790               |
| Impact                                                  | Nominal Value                    | Unit              | Test Method             |
| Charpy Notched Impact Strength (23°C)                   | 11                               | kJ/m <sup>2</sup> | ISO 179/1eA             |
| Charpy Unnotched Impact Strength (23°C)                 | 42                               | kJ/m <sup>2</sup> | ISO 179/1eU             |
| Notched Izod Impact (23°C)                              | 110                              | J/m               | ASTM D256               |
| Thermal                                                 | Nominal Value                    | Unit              | Test Method             |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 151                              | °C                | ASTM D648               |
| Vicat Softening Temperature                             | 138                              | °C                | ASTM D1525 <sup>1</sup> |
| CLTE - Flow                                             | 5.5E-5                           | cm/cm/°C          | ASTM D696               |
| Electrical                                              | Nominal Value                    | Unit              | Test Method             |
| Surface Resistivity                                     | 1.0E+15                          | ohms              | ASTM D257               |
| Dielectric Constant (1 kHz)                             | 2.60                             |                   | ASTM D150               |
| Comparative Tracking Index                              | 650                              | V                 | IEC 60112               |
| Flammability                                            | Nominal Value                    | Unit              | Test Method             |
| Flame Rating (3.20 mm)                                  | HB                               |                   | UL 94                   |

| Injection          | Nominal Value | Unit |
|--------------------|---------------|------|
| Drying Temperature | 80.0          | °C   |
| Drying Time        | 2.0           | hr   |
| Rear Temperature   | 190           | °C   |
| Middle Temperature | 210           | °C   |
| Front Temperature  | 230           | °C   |
| Mold Temperature   | 50.0 to 70.0  | °C   |

#### NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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

