

# Talcoprene® 1540TL1 NERO

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

Polypropylene homopolymer, 40% mineral filled

| General Information                                     |                              |          |                         |
|---------------------------------------------------------|------------------------------|----------|-------------------------|
| Filler / Reinforcement                                  | Mineral,40% Filler by Weight |          |                         |
| Features                                                | Homopolymer                  |          |                         |
| Agency Ratings                                          | EC 1907/2006 (REACH)         |          |                         |
| Appearance                                              | Black                        |          |                         |
| Processing Method                                       | Injection Molding            |          |                         |
| Physical                                                | Nominal Value                | Unit     | Test Method             |
| Specific Gravity                                        | 1.24                         | g/cm³    | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)               | 15                           | g/10 min | ASTM D1238              |
| Molding Shrinkage                                       | 1.0                          | %        | Internal Method         |
| Water Absorption (23°C, 24 hr)                          | 0.050                        | %        | ASTM D570               |
| Ash Content                                             | 40                           | %        | Internal Method         |
| Mechanical                                              | Nominal Value                | Unit     | Test Method             |
| Tensile Strength (Break)                                | 28.0                         | MPa      | ASTM D638               |
| Flexural Modulus                                        | 3900                         | MPa      | ASTM D790               |
| Flexural Strength                                       | 50.0                         | MPa      | ASTM D790               |
| Impact                                                  | Nominal Value                | Unit     | Test Method             |
| Notched Izod Impact (23°C)                              | 26                           | J/m      | ASTM D256               |
| Thermal                                                 | Nominal Value                | Unit     | Test Method             |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 71.0                         | °C       | ASTM D648               |
| Vicat Softening Temperature                             | 99.0                         | °C       | ASTM D1525 <sup>1</sup> |
| CLTE - Flow                                             | 8.0E-5                       | cm/cm/°C | ASTM D696               |
| Electrical                                              | Nominal Value                | Unit     | Test Method             |
| Surface Resistivity                                     | 1.0E+13                      | ohms     | ASTM D257               |
| Dielectric Constant (1 kHz)                             | 2.50                         |          | ASTM D150               |
| Comparative Tracking Index                              | 600                          | 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)

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