

# Polifor® E 12 TR/20 NATURALE

Polypropylene Copolymer

SO.F.TER. SPA

## Message:

Polypropylene copolymer, 20% mineral filled

| General Information                       |                                   |                   |                         |
|-------------------------------------------|-----------------------------------|-------------------|-------------------------|
| Filler / Reinforcement                    | Mineral,20% Filler by Weight      |                   |                         |
| Features                                  | Copolymer                         |                   |                         |
| Uses                                      | Automotive Applications           |                   |                         |
| Agency Ratings                            | EC 1907/2006 (REACH)              |                   |                         |
| Appearance                                | Natural Color                     |                   |                         |
| Processing Method                         | Injection Molding                 |                   |                         |
| Physical                                  | Nominal Value                     | Unit              | Test Method             |
| Specific Gravity                          | 1.02                              | g/cm <sup>3</sup> | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 11                                | g/10 min          | ASTM D1238              |
| Molding Shrinkage                         | 1.5                               | %                 | Internal Method         |
| Mechanical                                | Nominal Value                     | Unit              | Test Method             |
| Tensile Strength (Yield)                  | 10.0                              | MPa               | ASTM D638               |
| Tensile Elongation (Break)                | 600                               | %                 | ASTM D638               |
| Flexural Modulus                          | 250                               | MPa               | ASTM D790               |
| Impact                                    | Nominal Value                     | Unit              | Test Method             |
| Notched Izod Impact (23°C)                | No Break                          |                   | ASTM D256               |
| Thermal                                   | Nominal Value                     | Unit              | Test Method             |
| Vicat Softening Temperature               | 106                               | °C                | ASTM D1525 <sup>1</sup> |
| Electrical                                | Nominal Value                     | Unit              | Test Method             |
| Comparative Tracking Index                | 600                               | V                 | IEC 60112               |
| Flammability                              | Nominal Value                     | Unit              | Test Method             |
| Flame Rating                              |                                   |                   | UL 94                   |
| 1.60 mm                                   | HB                                |                   |                         |
| 3.20 mm                                   | HB                                |                   |                         |
| Glow Wire Ignition Temperature            | 650                               | °C                | IEC 60695-2-13          |
| Injection                                 | Nominal Value                     | Unit              |                         |
| Rear Temperature                          | 170                               | °C                |                         |
| Middle Temperature                        | 190                               | °C                |                         |
| Front Temperature                         | 200                               | °C                |                         |
| Mold Temperature                          | 40.0 to 60.0                      | °C                |                         |
| NOTE                                      |                                   |                   |                         |
| 1.                                        | Rate A (50°C/h), Loading 2 (50 N) |                   |                         |

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