

# Polifor® 15 TC/40 NERO X2

Polypropylene Homopolymer

SO.F.TER. SPA

## Message:

Polypropylene homopolymer, 40% mineral filled

| General Information                       |                              |                   |                         |
|-------------------------------------------|------------------------------|-------------------|-------------------------|
| Filler / Reinforcement                    | Mineral,40% Filler by Weight |                   |                         |
| Features                                  | Homopolymer                  |                   |                         |
| Uses                                      | Automotive Applications      |                   |                         |
|                                           | Housings                     |                   |                         |
| Agency Ratings                            | EC 1907/2006 (REACH)         |                   |                         |
| Appearance                                | Black                        |                   |                         |
| Processing Method                         | Injection Molding            |                   |                         |
| Physical                                  | Nominal Value                | Unit              | Test Method             |
| Specific Gravity                          | 1.27                         | 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                         | 1.0                          | %                 | Internal Method         |
| Mechanical                                | Nominal Value                | Unit              | Test Method             |
| Tensile Strength (Yield)                  | 26.0                         | MPa               | ASTM D638               |
| Tensile Elongation (Break)                | 7.0                          | %                 | ASTM D638               |
| Flexural Modulus                          | 3000                         | MPa               | ASTM D790               |
| Impact                                    | Nominal Value                | Unit              | Test Method             |
| Notched Izod Impact (23°C)                | 25                           | J/m               | ASTM D256               |
| Thermal                                   | Nominal Value                | Unit              | Test Method             |
| Vicat Softening Temperature               | 95.0                         | °C                | ASTM D1525 <sup>1</sup> |
| Flammability                              | Nominal Value                |                   | Test Method             |
| Flame Rating                              |                              |                   | UL 94                   |
| 1.60 mm                                   | HB                           |                   |                         |
| 3.20 mm                                   | HB                           |                   |                         |
| Injection                                 | Nominal Value                | Unit              |                         |
| 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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