

# Polifor® 12 CA/40 NATURALE

Polypropylene Homopolymer

SO.F.TER. SPA

## Message:

Polypropylene homopolymer, 40% mineral filled

| General Information                       |                              |                   |                         |
|-------------------------------------------|------------------------------|-------------------|-------------------------|
| UL YellowCard                             | E187982-227086               |                   |                         |
| Filler / Reinforcement                    | Mineral,40% Filler by Weight |                   |                         |
| Features                                  | Homopolymer                  |                   |                         |
| Uses                                      | Appliances                   |                   |                         |
| Agency Ratings                            | EC 1907/2006 (REACH)         |                   |                         |
| UL File Number                            | E187982                      |                   |                         |
| Appearance                                | Natural Color                |                   |                         |
| Processing Method                         | Injection Molding            |                   |                         |
| Physical                                  | Nominal Value                | Unit              | Test Method             |
| Specific Gravity                          | 1.22                         | g/cm <sup>3</sup> | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 10                           | g/10 min          | ASTM D1238              |
| Molding Shrinkage                         | 0.85                         | %                 | Internal Method         |
| Mechanical                                | Nominal Value                | Unit              | Test Method             |
| Tensile Strength (Yield)                  | 26.0                         | MPa               | ASTM D638               |
| Tensile Elongation (Break)                | 20                           | %                 | ASTM D638               |
| Flexural Modulus                          | 2900                         | MPa               | ASTM D790               |
| Impact                                    | Nominal Value                | Unit              | Test Method             |
| Notched Izod Impact                       |                              |                   | ASTM D256               |
| 0°C                                       | 25                           | J/m               |                         |
| 23°C                                      | 30                           | J/m               |                         |
| Thermal                                   | Nominal Value                | Unit              | Test Method             |
| Vicat Softening Temperature               | 96.0                         | °C                | ASTM D1525 <sup>1</sup> |
| Ball Pressure Test (125°C)                | Pass                         |                   | IEC 335                 |
| 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          |
| Oxygen Index                              | 21                           | %                 | ASTM D2863              |
| 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)

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



WECHAT