

# POLYfill PP EIP12030RF

Polypropylene + EPDM Rubber

Polykemi AB

Message:

PP/EPDM Mineral reinforced

| General Information                       |                              |                   |                 |
|-------------------------------------------|------------------------------|-------------------|-----------------|
| Filler / Reinforcement                    | Mineral,30% Filler by Weight |                   |                 |
| Physical                                  | Nominal Value                | Unit              | Test Method     |
| Density                                   | 1.10                         | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 12                           | g/10 min          | ISO 1133        |
| Molding Shrinkage                         |                              |                   | ISO 294-4       |
| Across Flow                               | 0.80 to 1.0                  | %                 |                 |
| Flow                                      | 0.80 to 1.0                  | %                 |                 |
| Mechanical                                | Nominal Value                | Unit              | Test Method     |
| Tensile Stress                            | 26.0                         | MPa               | ISO 527-2       |
| Tensile Strain                            |                              |                   | ISO 527-2       |
| Yield                                     | 5.0                          | %                 |                 |
| Break                                     | 16                           | %                 |                 |
| Flexural Modulus (23°C)                   | 2500                         | MPa               | ISO 178         |
| Flexural Stress                           | 45.0                         | MPa               | ISO 178         |
| Scratch Resistance - 10 N Fine Structure  | < 3.50                       | dL                | ISO 1518/D65    |
| Impact                                    | Nominal Value                | Unit              | Test Method     |
| Charpy Notched Impact Strength            |                              |                   | ISO 179         |
| -20°C                                     | 3.0                          | kJ/m <sup>2</sup> |                 |
| 23°C                                      | 11                           | kJ/m <sup>2</sup> |                 |
| Charpy Unnotched Impact Strength          |                              |                   | ISO 179         |
| -20°C                                     | 24                           | kJ/m <sup>2</sup> |                 |
| 23°C                                      | No Break                     |                   |                 |
| Thermal                                   | Nominal Value                | Unit              | Test Method     |
| Heat Deflection Temperature <sup>1</sup>  |                              |                   |                 |
| 0.45 MPa, Unannealed                      | 116                          | °C                | ISO 75-2/B      |
| 1.8 MPa, Unannealed                       | 64.0                         | °C                | ISO 75-2/A      |
| Vicat Softening Temperature               |                              |                   |                 |
| --                                        | 145                          | °C                | ISO 306/A50     |
| --                                        | 75.0                         | °C                | ISO 306/B50     |
| CLTE - Flow                               | 5.5E-5 to 7.5E-5             | cm/cm/°C          | Internal Method |
| Flammability                              | Nominal Value                | Unit              | Test Method     |
| Glow Wire Ignition Temperature (2.00 mm)  | 750                          | °C                | IEC 60695-2-13  |

## NOTE

1. 120°C/hr

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

