

# POLYFORT® FPP 40 GFC HI

Polypropylene Homopolymer

A. Schulman Europe

## Message:

High impact 40 % glass fibre reinforced PP-Homopolymer, chemically coupled

| General Information                         |                                  |                        |                      |
|---------------------------------------------|----------------------------------|------------------------|----------------------|
| Filler / Reinforcement                      | Glass Fiber,40% Filler by Weight |                        |                      |
| Features                                    | Chemically Coupled               |                        |                      |
|                                             | Homopolymer                      |                        |                      |
|                                             | Impact Modified                  |                        |                      |
| Processing Method                           | Injection Molding                |                        |                      |
| Physical                                    | Nominal Value                    | Unit                   | Test Method          |
| Density                                     | 1.23                             | g/cm <sup>3</sup>      | ISO 1183/A           |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg) | 3.00                             | cm <sup>3</sup> /10min | ISO 1133             |
| Hardness                                    | Nominal Value                    | Unit                   | Test Method          |
| Ball Indentation Hardness (H 358/30)        | 120                              | MPa                    | ISO 2039-1           |
| Mechanical                                  | Nominal Value                    | Unit                   | Test Method          |
| Tensile Modulus                             | 7800                             | MPa                    | ISO 527-2/1A/1       |
| Tensile Stress (Break)                      | 84.0                             | MPa                    | ISO 527-2/1A/5       |
| Tensile Strain (Break)                      | 4.3                              | %                      | ISO 527-2/1A/5       |
| Impact                                      | Nominal Value                    | Unit                   | Test Method          |
| Charpy Notched Impact Strength (23°C)       | 12                               | kJ/m <sup>2</sup>      | ISO 179/1eA          |
| Charpy Unnotched Impact Strength (23°C)     | 57                               | kJ/m <sup>2</sup>      | ISO 179/1eU          |
| Thermal                                     | Nominal Value                    | Unit                   | Test Method          |
| Heat Deflection Temperature                 |                                  |                        |                      |
| 0.45 MPa, Unannealed                        | 158                              | °C                     | ISO 75-2/Bf          |
| 1.8 MPa, Unannealed                         | 141                              | °C                     | ISO 75-2/Af          |
| Vicat Softening Temperature                 |                                  |                        |                      |
| --                                          | 164                              | °C                     | ISO 306/A50          |
| --                                          | 131                              | °C                     | ISO 306/B50          |
| Electrical                                  | Nominal Value                    | Unit                   | Test Method          |
| Surface Resistivity                         | > 1.0E+15                        | ohms                   | IEC 60093            |
| Volume Resistivity                          | > 1.0E+13                        | ohms · cm              | IEC 60093            |
| Flammability                                | Nominal Value                    | Unit                   | Test Method          |
| Burning Rate                                | < 100                            | mm/min                 | ISO 3795             |
| Flammability Classification (1.50 mm)       | HB                               |                        | IEC 60695-11-10, -20 |

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

