

## Technical Data Sheet

### Polyfort FPP 1285-31 BLACK



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

Polyfort FPP 1285-31 is a 20% Glass-Filled, Chemically Coupled Polypropylene

|                             |                    |
|-----------------------------|--------------------|
| <b>Processing Method</b>    | Injection Molding  |
| <b>Attribute</b>            | Chemically Coupled |
| <b>Appearance</b>           | Colors Available   |
| <b>Filler/Reinforcement</b> | Glass Fiber, 20%   |

| Typical Properties                                    | Nominal Value | Units             | Test Method |
|-------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                       |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                      | 5.0           | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                            | 1.04          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                     |               |                   |             |
| Tensile Strength at Yield                             | 65            | MPa               | ASTM D638   |
| Flexural Modulus, (Tangent)                           | 3800          | MPa               | ASTM D790   |
| <b>Impact</b>                                         |               |                   |             |
| Notched Izod Impact                                   | 89            | J/m               | ASTM D256   |
| <b>Thermal</b>                                        |               |                   |             |
| Deflection Temperature Under Load Unannealed (66 psi) | 157           | °C                | ASTM D648   |
| <b>Additional Information</b>                         |               |                   |             |
| Filler Content                                        | 20            | %                 | ASTM D5630  |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 3.0    | hr    |
| Drying Temperature     | 80            | °C    |
| Processing (Melt) Temp | 220 to 260    | °C    |
| Injection Rate         | Moderate-Fast |       |
| Mold Temperature       | 30 to 60      | °C    |