

**Technical Data Sheet**

**Polyfort FPP 3539-31 BLACK**



Polypropylene, Unspecified (PP, Unspecified)

**Product Description**

PP 15% Glass Fiber Chemically Coupled

**Processing Method**            Injection Molding  
**Attribute**                        Chemically Coupled  
**Filler/Reinforcement**        Glass Fiber, 15%

| <b>Typical Properties</b>                               | <b>Nominal Value</b> | <b>Units</b>      | <b>Test Method</b> |
|---|----------------------|-------------------|--------------------|
| <b>Physical</b>   |                      |                   |                    |
| Density   | 0.99                 | g/cm <sup>3</sup> | ISO 1183           |
| <b>Mechanical</b>                                       |                      |                   |                    |
| Tensile Stress at Yield, (50 mm/min)                    | 55.0                 | MPa               | ISO 527-2          |
| Flexural Modulus, (2.0 mm/min)                          | 3350                 | MPa               | ISO 178            |
| <b>Impact</b>   |                      |                   |                    |
| Charpy Impact Strength - Notched                        | 10                   | kJ/m <sup>2</sup> | ISO 179            |
| <b>Thermal</b>  |                      |                   |                    |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 130                  | °C                | ISO 75-2/A         |
| <b>Additional Information</b>                           |                      |                   |                    |
| Filler Content  | 15                   | %                 | ASTM D5630         |

| <b>Injection Parameters</b> | <b>Value</b>  | <b>Units</b> |
|-----------------------------|---------------|--------------|
| 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           |