

**Technical Data Sheet**

**Polyfort FPP 1697HU-31 BLK**



Polypropylene, Unspecified (PP, Unspecified)

**Product Description**

PP 26% Talc Filled

**Processing Method**            Injection Molding

**Filler/Reinforcement**        Talc, 26%

| <b>Typical Properties</b>                               | <b>Nominal Value</b> | <b>Units</b>      | <b>Test Method</b> |
|---|----------------------|-------------------|--------------------|
| <b>Physical</b>   |                      |                   |                    |
| Density   | 1.1                  | g/cm <sup>3</sup> | ISO 1183           |
| <b>Mechanical</b>                                       |                      |                   |                    |
| Tensile Stress at Yield, (50 mm/min)                    | 20.0                 | MPa               | ISO 527-2          |
| Flexural Modulus, (2.0 mm/min)                          | 2650                 | MPa               | ISO 178            |
| <b>Impact</b>   |                      |                   |                    |
| Notched Izod Impact Strength                            | 6.5                  | kJ/m <sup>2</sup> | ISO 180            |
| <b>Thermal</b>  |                      |                   |                    |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 58                   | °C                | ISO 75-2/A         |
| <b>Additional Information</b>                           |                      |                   |                    |
| Filler Content  | 26                   | %                 | ASTM D5630         |

| <b>Injection Parameters</b> | <b>Nominal 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           |