

## Technical Data Sheet

### Polyfort FPP 1902HU-3380 02 BLK



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

Polyfort FPP 1902HU-3380 is an 11% Talc-Filled, UV Stabilized Polypropylene

**Processing Method** Injection Molding

**Filler/Reinforcement** Talc, 11%

| Typical Properties                                      | Nominal Value | Units             | Test Method |
|---------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                         |               |                   |             |
| Melt Flow Rate                                          | 29            | g/10 min          | ISO 1133    |
| Density                                                 | 0.99          | g/cm <sup>3</sup> | ISO 1183    |
| <b>Mechanical</b>                                       |               |                   |             |
| Tensile Stress at Yield                                 | 29.4          | MPa               | ISO 527-2   |
| Tensile Strain at Break, (50 mm/min)                    | 18            | %                 | ISO 527-2   |
| Flexural Modulus, (Tangent)                             | 1760          | MPa               | ISO 178     |
| Flexural Stress                                         | 46.9          | MPa               | ISO 178     |
| <b>Thermal</b>                                          |               |                   |             |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 123           | °C                | ISO 75-2/A  |
| <b>Additional Information</b>                           |               |                   |             |
| Filler Content                                          | 11            | %                 | ASTM D5630  |

| Injection Parameters   | 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    |