

## Technical Data Sheet

### *Polyfort* RW IFP PPC FPP 1697HU 01 NAT



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

PP 26% Talc Filled

**Processing Method** Injection Molding

**Filler/Reinforcement** Talc, 26%

| Typical Properties                                      | Nominal Value | Units             | Test Method |
|---------------------------------------------------------|---------------|-------------------|-------------|
| <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  |

| 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    |