

## Technical Data Sheet

### *Polyfort* FPP 892-01 NATURAL



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

PP 20% Talc

**Processing Method** Injection Molding

**Filler/Reinforcement** Talc, 20%

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Density - Specific Gravity                             | 1.05          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield, (50 mm/min)                 | 33.0          | MPa               | ASTM D638   |
| Flexural Modulus, (1.3 mm/min)                         | 2800          | MPa               | ASTM D790   |
| Tensile Elongation at Break, (50 mm/min)               | 75            | %                 | ASTM D638   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact                                    | 70            | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 60            | °C                | ASTM D648   |
| <b>Additional Information</b>                          |               |                   |             |
| Filler Content                                         | 20            | %                 | 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    |