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## Technical Data Sheet

### Polyfort TPP-0140 BK(28M)BLK



Polypropylene, Homopolymer

#### Product Description

40% Talc Filled, Homopolymer Polypropylene Melt Flow Adjustable for Application Colors Available Add "U" for UV Stabilized Add "H" for Heat Stabilized Meets TSM-5601G-3A

|                      |                   |
|----------------------|-------------------|
| Processing Method    | Injection Molding |
| Attribute            | Homopolymer       |
| Appearance           | Colors Available  |
| Filler/Reinforcement | Talc, 40%         |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Density - Specific Gravity                             | 1.24          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield                              | 31            | MPa               | ASTM D638   |
| Flexural Modulus                                       | 3590          | MPa               | ASTM D790   |
| Tensile Elongation at Break                            | >10           | %                 | ASTM D638   |
| Flexural Strength                                      | 53.8          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact, (3.18 mm)                         | 27            | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 82.2          | °C                | ASTM D648   |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 3.0    | hr    |
| Drying Temperature     | 80            | °C    |
| Processing (Melt) Temp | 220 to 260    | °C    |
| Mold Temperature       | 30 to 60      | °C    |