

## Technical Data Sheet

### *Polyfort* FPP5A30CCBKBLK



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

*Polyfort* FPP5A30CCBKBLK is a Polypropylene, Unspecified Glass Fiber, 30% filled material and is typically used in Injection Molding applications. Features include: Chemically Coupled, and High Impact Resistance.

|                      |                                            |
|----------------------|--------------------------------------------|
| Processing Method    | Injection Molding                          |
| Attribute            | Chemically Coupled; High Impact Resistance |
| Forms                | Pellets                                    |
| Filler/Reinforcement | Glass Fiber, 30%                           |

| Typical Properties               | Nominal Value | Units             | Test Method |
|----------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                  |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg) | 4.0           | g/10 min          | ASTM D1238  |
| Density - Specific Gravity       | 1.13          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                |               |                   |             |
| Tensile Strength at Yield        | 53.8          | MPa               | ASTM D638   |
| Flexural Modulus, (Tangent)      | 3450          | MPa               | ASTM D790   |
| <b>Impact</b>                    |               |                   |             |
| Notched Izod Impact              | 230           | J/m               | ASTM D256   |
| <b>Thermal</b>                   |               |                   |             |
| RTI Str                          | 65.6          | °C                | UL 746B     |
| <b>UL Information</b>            |               |                   |             |
| Flame Rating, (1.5 mm)           | HB            |                   | UL 94       |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 4.0    | hr    |
| Drying Temperature     | 82 to 104     | °C    |
| Screw Speed            | 20 to 60      | rpm   |
| Processing (Melt) Temp | 199 to 243    | °C    |
| Front Temperature      | 199 to 243    | °C    |
| Middle Temperature     | 199 to 243    | °C    |
| Rear Temperature       | 199 to 243    | °C    |
| Injection Rate         | Moderate      |       |
| Back Pressure          | <0.345        | MPa   |
| Mold Temperature       | 16 to 66      | °C    |
| Cushion                | 6.35 to 12.7  | mm    |