

## Technical Data Sheet

### *Polyfort* FPP2B10CCNANAT



Polypropylene, Homopolymer

#### Product Description

*Polyfort* FPP2B10CCNANAT is a Polypropylene Homopolymer Glass Fiber, 10% filled material and is typically used in Injection Molding applications. Features include: Good Stiffness, and Homopolymer.

|                      |                             |
|----------------------|-----------------------------|
| Processing Method    | Injection Molding           |
| Attribute            | Good Stiffness; Homopolymer |
| Forms                | Pellets                     |
| Filler/Reinforcement | Glass Fiber, 10%            |

| Typical Properties                    | Nominal Value | Units    | Test Method |
|---------------------------------------|---------------|----------|-------------|
| <b>Physical</b>                       |               |          |             |
| Melt Flow Rate, (230 °C/2.16 kg)      | 5.0 to 10     | g/10 min | ASTM D1238  |
| <b>Mechanical</b>                     |               |          |             |
| Tensile Strength at Yield, (23 °C)    | 44.8          | MPa      | ASTM D638   |
| Flexural Modulus, (Tangent)           | 2070          | MPa      | ASTM D790   |
| <b>Impact</b>                         |               |          |             |
| Notched Izod Impact, (23 °C, 3.18 mm) | 43            | J/m      | ASTM D256   |

| Injection Parameters                  | Nominal Value | Units |
|---------------------------------------|---------------|-------|
| Drying Time, (Desiccant Dryer)        | 2.0 to 4.0    | hr    |
| Drying Temperature, (Desiccant Dryer) | 71            | °C    |
| Screw Speed                           | 50 to 150     | 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    |