

## Technical Data Sheet

### Polyfort TPP3A20UVBKBLK



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

Polyfort TPP3A20UVBKBLK is a Polypropylene, Unspecified Talc, 20% filled material and is typically used in Injection Molding applications. Features include: Impact Modified, and UV Stabilized.

|                      |                                |
|----------------------|--------------------------------|
| Processing Method    | Injection Molding              |
| Attribute            | Impact Modified; UV Stabilized |
| Forms                | Pellets                        |
| Filler/Reinforcement | Talc, 20%                      |

| Typical Properties               | Nominal Value | Units    | Test Method |
|----------------------------------|---------------|----------|-------------|
| <b>Physical</b>                  |               |          |             |
| Melt Flow Rate, (230 °C/2.16 kg) | 6.7           | g/10 min | ASTM D1238  |
| <b>Mechanical</b>                |               |          |             |
| Tensile Strength at Yield        | 24.5          | MPa      | ASTM D638   |
| Flexural Modulus, (Tangent)      | 1650          | MPa      | ASTM D790   |
| <b>Impact</b>                    |               |          |             |
| Gardner Impact                   | 23.2          | J        | ASTM D5420  |
| Notched Izod Impact              | 110           | J/m      | ASTM D256   |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 4.0    | hr    |
| Drying Temperature     | 82 to 104     | °C    |
| Processing (Melt) Temp | 199 to 227    | °C    |
| Front Temperature      | 177 to 221    | °C    |
| Middle Temperature     | 177 to 221    | °C    |
| Rear Temperature       | 177 to 221    | °C    |
| Injection Rate         | Moderate      |       |
| Back Pressure          | 0.138 to 2.07 | MPa   |
| Mold Temperature       | 21 to 49      | °C    |
| Cushion                | 6.35 to 12.7  | mm    |