

## Technical Data Sheet

### Polyfort PP5A0UVGY303GRY



Polypropylene, Impact Copolymer

#### Product Description

PP5A0 is an Unfilled, High Impact, UV Stabilized, Polypropylene Copolymer

|                          |                          |
|--------------------------|--------------------------|
| <b>Processing Method</b> | Injection Molding        |
| <b>Attribute</b>         | Copolymer; UV Stabilized |
| <b>Forms</b>             | Pellets                  |
| <b>Appearance</b>        | Colors Available         |

| Typical Properties                    | Nominal Value | Units    | Test Method |
|---------------------------------------|---------------|----------|-------------|
| <b>Physical</b>                       |               |          |             |
| Melt Flow Rate, (230 °C/2.16 kg)      | 5.0           | g/10 min | ASTM D1238  |
| <b>Mechanical</b>                     |               |          |             |
| Tensile Strength at Yield, (23 °C)    | 22.1          | MPa      | ASTM D638   |
| Flexural Modulus, (Tangent)           | 1030          | MPa      | ASTM D790   |
| <b>Impact</b>                         |               |          |             |
| Gardner Impact                        | 19.8          | J        | ASTM D5420  |
| Notched Izod Impact, (23 °C, 3.18 mm) | 690           | 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 | 193 to 232    | °C    |
| Front Temperature      | 177 to 232    | °C    |
| Middle Temperature     | 177 to 232    | °C    |
| Rear Temperature       | 177 to 232    | °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    |