

## Technical Data Sheet

### Polyfort PP6D0HBYL41YEW



Polypropylene Copolymer

#### Product Description

PP6D0HBYL41 is an Unfilled, High Impact Polypropylene, Yellow Color

|                          |                        |
|--------------------------|------------------------|
| <b>Processing Method</b> | Injection Molding      |
| <b>Attribute</b>         | High Impact Resistance |
| <b>Forms</b>             | Pellets                |
| <b>Appearance</b>        | Yellow                 |

| Typical Properties                 | Nominal Value | Units             | Test Method |
|------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                    |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)   | 17            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity         | 0.898         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                  |               |                   |             |
| Tensile Strength at Yield, (23 °C) | 18.5          | MPa               | ASTM D638   |
| Flexural Modulus                   | 1100          | MPa               | ASTM D790   |
| <b>Impact</b>                      |               |                   |             |
| Gardner Impact                     | 20.2          | J                 | ASTM D5420  |
| Notched Izod Impact, (23 °C)       | 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    |