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## Technical Data Sheet

### Polyfort PPC-0320R BKBLK



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

Impact Modified PolypropyleneColors AvailableAdd "U" for UV StabilizedAdd "H" for Heat Stabilized

**Processing Method** Injection Molding

**Attribute** Impact Modified

**Appearance** Colors Available

**Additive** Impact Modifier

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 20            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 0.908         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield                              | 29.6          | MPa               | ASTM D638   |
| Flexural Modulus                                       | 689           | MPa               | ASTM D790   |
| Tensile Elongation at Break                            | >10           | %                 | ASTM D638   |
| Flexural Strength                                      | 34.5          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact, (3.18 mm)                         | 150           | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 48.9          | °C                | ASTM D648   |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 3.0    | hr    |
| Drying Temperature     | 80            | °C    |
| Processing (Melt) Temp | 220 to 260    | °C    |
| Mold Temperature       | 30 to 60      | °C    |