

Technical Data Sheet

RW *Polyfort* PP 1407-31 BLACK



Polypropylene, Unspecified (PP, Unspecified)

**Product Description**

PP High Impact Unfilled

**Processing Method** Injection Molding

**Attribute** High Impact Resistance

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--|---------------|-------------------|-------------|
| <b>Physical</b>  |               |                   |             |
| Density - Specific Gravity                             | 0.91          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield, (50 mm/min)                 | 20.0          | MPa               | ASTM D638   |
| Flexural Modulus, (1.3 mm/min)                         | 1000          | MPa               | ASTM D790   |
| Tensile Elongation at Break, (50 mm/min)               | 2300          | %                 | ASTM D638   |
| <b>Impact</b>  |               |                   |             |
| Notched Izod Impact                                    | 700           | J/m               | ASTM D256   |
| <b>Thermal</b>   |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 45            | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 75            | °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    |