

## Technical Data Sheet

### Polyfort HOSTACOM FPP 1259-31 C1 BLK



Polypropylene, Impact Copolymer

#### Product Description

Polyfort PP 1259 is a medium impact polypropylene with easier molding characteristics for thinner parts and longer flow distances. Lower molding pressures and heats often reduce warpage and mold cycles. Approved for automotive use.

**Processing Method** Injection Molding

**Attribute** Fast Molding Cycle; Good Processability; Impact Copolymer; Low Warpage; Medium Impact Resistance

**Forms** Pellets

**Application** Automotive Applications

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 8.0           | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 0.9           | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Elongation at Yield                            | 7             | %                 | ASTM D638   |
| Tensile Strength at Yield, (51 mm/min)                 | 24.1          | MPa               | ASTM D638   |
| Flexural Modulus                                       | 1140          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Unnotched Izod Impact                                  | 1600          | J/m               | ASTM D4812  |
| Notched Izod Impact                                    | 130           | J/m               | ASTM D256   |
| <b>Hardness</b>                                        |               |                   |             |
| Rockwell Hardness, (R-Scale)                           | 75            |                   | ASTM D785   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 57.2          | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 90.6          | °C                | ASTM D648   |
| Melting Temperature, (Internal Method)                 | 166           | °C                |             |
| <b>Flammable</b>                                       |               |                   |             |
| Burning Rate, (No Standard)                            | 36            | mm/min            | ISO 3795    |
| <b>Additional Information</b>                          |               |                   |             |
| Water Absorption at 24 hrs                             | 0.03          | %                 | ASTM D570   |