

## Technical Data Sheet

### *Polyfort* PP-60/CC/30 BKBLK



Polypropylene, Homopolymer

#### Product Description

*Polyfort* PP-60/CC/30 BKBLK is a Polypropylene Homopolymer Calcium Carbonate, 30% filled material.  
Features include: Homopolymer.

|                      |                        |
|----------------------|------------------------|
| Attribute            | Homopolymer            |
| Forms                | Pellets                |
| Filler/Reinforcement | Calcium Carbonate, 30% |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 13            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 1.16          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength, (23 °C)                              | 27.6          | MPa               | ASTM D638   |
| Tensile Elongation at Yield, (23 °C)                   | 40            | %                 | ASTM D638   |
| Flexural Modulus, (23 °C, Tangent)                     | 2450          | MPa               | ASTM D790   |
| Tensile Modulus, (23 °C)                               | 2620          | MPa               | ASTM D638   |
| Flexural Strength, (23 °C)                             | 41.4          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact, (23 °C, 3.18 mm)                  | 27            | J/m               | ASTM D256   |
| <b>Hardness</b>                                        |               |                   |             |
| Rockwell Hardness, (R-Scale)                           | 95            |                   | ASTM D785   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 73.9          | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 121           | °C                | ASTM D648   |
| <b>Additional Information</b>                          |               |                   |             |
| Water Absorption at 24 hrs                             | 0.01          | %                 | ASTM D570   |