

## Technical Data Sheet

### *Polyfort* LPP20BN58HB-GYGRY



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

*Polyfort* LPP20BN58HB-GYGRY is a Polypropylene, Unspecified Calcium Carbonate, 20% filled material and is typically used in Injection Molding applications. Features include: Impact Modified.

|                      |                        |
|----------------------|------------------------|
| Processing Method    | Injection Molding      |
| Attribute            | Impact Modified        |
| Forms                | Pellets                |
| Additive             | Impact Modifier        |
| Filler/Reinforcement | Calcium Carbonate, 20% |

| 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         | 1.04          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                  |               |                   |             |
| Tensile Strength at Yield, (23 °C) | 25.1          | MPa               | ASTM D638   |
| Flexural Modulus, (23 °C, Tangent) | 1680          | MPa               | ASTM D790   |
| <b>Impact</b>                      |               |                   |             |
| Gardner Impact                     | 18.1          | J                 | ASTM D3029  |
| Notched Izod Impact, (23 °C)       | 77            | J/m               | ASTM D256   |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 3.0    | hr    |
| Drying Temperature     | 80            | °C    |
| Nozzle Temperature     | 171 to 216    | °C    |
| Processing (Melt) Temp | 220 to 260    | °C    |
| Front Temperature      | 171 to 216    | °C    |
| Middle Temperature     | 171 to 210    | °C    |
| Rear Temperature       | 171 to 210    | °C    |
| Injection Rate         | Moderate-Fast |       |
| Mold Temperature       | 30 to 60      | °C    |