

Technical Data Sheet

# Ferrex GPP25CG65WH

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics

| General                |   |               |  |
|------------------------|---|---------------|--|
| Filler / Reinforcement | • Calcium Carbonate, 25% Filler by Weight |               |  |
| Features               | • High Gloss                              | • Homopolymer |  |
| Forms                  | • Pellets                                 |               |  |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.08                    | 1.08 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 20 g/10 min             | 20 g/10 min            | ASTM D1238  |

| Mechanical                              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|--------------------|-------------|
| Tensile Strength (Yield, 73°F (23°C))   | 4100 psi                | 28.3 MPa           | ASTM D638   |
| Tensile Elongation (Break, 73°F (23°C)) | 55 %                    | 55 %               | ASTM D638   |
| Flexural Modulus                        |                         |                    | ASTM D790   |
| 1% Secant : 73°F (23°C)                 | 247000 psi              | 1700 MPa           |             |
| Tangent : 73°F (23°C)                   | 263000 psi              | 1810 MPa           |             |
| Flexural Strength (Yield, 73°F (23°C))  | 6200 psi                | 42.7 MPa           | ASTM D790   |

| Impact                              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-------------------------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact (73°F (23°C))   | 1.0 ft·lb/in            | 53 J/m             | ASTM D256   |
| Unnotched Izod Impact (73°F (23°C)) | 13 ft·lb/in             | 690 J/m            | ASTM D4812  |
| Gardner Impact                      | 100 in·lb               | 11.3 J             | ASTM D5420  |

| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed     | 230 °F                  | 110 °C             |             |
| 264 Psi (1.8 Mpa), Unannealed     | 145 °F                  | 62.8 °C            |             |

| Additional Information            |  |  |  |
|-----------------------------------|--|--|--|
| Filler Content, ASTM D2584: 25.5% |  |  |  |

**Notes**

These are typical property values not to be construed as specification limits.