

Technical Data Sheet

# Ferrex GPP35CS68UL BLACK

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

| General                   |   |
|---------------------------|---|
| Filler / Reinforcement    | • Calcium Carbonate, 36% Filler by Weight |
| Additive                  | • Impact Modifier                         |
| Features                  | • High Gloss • Impact Modified            |
| Automotive Specifications | • 3M 11-0018-3865-2                       |
| Appearance                | • Black                                   |
| Forms                     | • Pellets                                 |
| Processing Method         | • Injection Molding                       |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.19                    | 1.19 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 7.5 g/10 min            | 7.5 g/10 min           | ASTM D1238  |

| Mechanical                              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|--------------------|-------------|
| Tensile Strength (73°F (23°C))          | 2800 psi                | 19.3 MPa           | ASTM D638   |
| Tensile Elongation (Break, 73°F (23°C)) | 80 %                    | 80 %               | ASTM D638   |
| Flexural Modulus                        |                         |                    | ASTM D790   |
| 1% Secant : 73°F (23°C)                 | 214000 psi              | 1480 MPa           |             |
| Tangent : 73°F (23°C)                   | 222000 psi              | 1530 MPa           |             |
| Flexural Strength (73°F (23°C))         | 4700 psi                | 32.4 MPa           | ASTM D790   |

| Impact                              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-------------------------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact (73°F (23°C))   | 5.0 ft·lb/in            | 270 J/m            | ASTM D256   |
| Unnotched Izod Impact (73°F (23°C)) | 24 ft·lb/in             | 1300 J/m           | ASTM D4812  |
| Gardner Impact (73°F (23°C))        | 280 in·lb               | 31.6 J             | ASTM D5420  |

| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed     | 195 °F                  | 90.6 °C            |             |
| 264 Psi (1.8 Mpa), Unannealed     | 130 °F                  | 54.4 °C            |             |

**Notes**

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