

# Gapex HPP40GR37HB NATURAL

Polypropylene Homopolymer

LyondellBasell Industries

Engineering Plastics

| General                |                                       |  |  |
|------------------------|---------------------------------------|--|--|
| Filler / Reinforcement | • Glass\Mineral, 40% Filler by Weight |  |  |
| Features               | • Chemically Coupled                  |  |  |
| Appearance             | • Natural Color                       |  |  |
| Forms                  | • Pellets                             |  |  |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|-------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.23                    | 1.23 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 8.0 g/10 min            | 8.0 g/10 min           | ASTM D1238  |
| Mechanical                                | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (73°F (23°C))            | 10200 psi               | 70.3 MPa               | ASTM D638   |
| Tensile Elongation (Break, 73°F (23°C))   | 3.0 %                   | 3.0 %                  | ASTM D638   |
| Flexural Modulus                          |                         |                        | ASTM D790   |
| 1% Secant : 73°F (23°C)                   | 905000 psi              | 6240 MPa               |             |
| Tangent : 73°F (23°C)                     | 986000 psi              | 6800 MPa               |             |
| Flexural Strength (73°F (23°C))           | 14900 psi               | 103 MPa                | ASTM D790   |
| Impact                                    | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (73°F (23°C))         | 1.3 ft·lb/in            | 69 J/m                 | ASTM D256   |
| Unnotched Izod Impact (73°F (23°C))       | 7.1 ft·lb/in            | 380 J/m                | ASTM D4812  |
| Gardner Impact (73°F (23°C))              | 4.00 in·lb              | 0.452 J                | ASTM D5420  |
| Thermal                                   | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load         |                         |                        | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed             | 315 °F                  | 157 °C                 |             |
| 264 Psi (1.8 Mpa), Unannealed             | 290 °F                  | 143 °C                 |             |

| Additional Information                                                                                      |  |  |  |
|-------------------------------------------------------------------------------------------------------------|--|--|--|
| Testing and measurements were performed at 73 +/-3°F and 50 +/-5% relative humidity unless otherwise noted. |  |  |  |

## Notes

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

