

# Gapex FPP30GQ04 BLACK

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

| General                |                                       |                   |  |
|------------------------|---------------------------------------|-------------------|--|
| Filler / Reinforcement | • Glass\Mineral, 31% Filler by Weight |                   |  |
| Additive               | • Impact Modifier                     |                   |  |
| Features               | • Chemically Coupled                  | • Impact Modified |  |
| Appearance             | • Black                               |                   |  |
| Forms                  | • Pellets                             |                   |  |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|-------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.15                    | 1.15 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 10 g/10 min             | 10 g/10 min            | ASTM D1238  |

| Mechanical                              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------------|-------------------------|--------------------|-------------|
| Tensile Strength (73°F (23°C))          | 4700 psi                | 32.4 MPa           | ASTM D638   |
| Tensile Elongation (Break, 73°F (23°C)) | 4.0 %                   | 4.0 %              | ASTM D638   |
| Flexural Modulus                        |                         |                    | ASTM D790   |
| 1% Secant : 73°F (23°C)                 | 340000 psi              | 2340 MPa           |             |
| Tangent : 73°F (23°C)                   | 357000 psi              | 2460 MPa           |             |
| Flexural Strength (73°F (23°C))         | 7700 psi                | 53.1 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)) | 3.9 ft·lb/in            | 210 J/m            | ASTM D4812  |
| Gardner Impact (73°F (23°C))        | 5.00 in·lb              | 0.565 J            | ASTM D5420  |

| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed     | 280 °F                  | 138 °C             |             |
| 264 Psi (1.8 Mpa), Unannealed     | 215 °F                  | 102 °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.

