

Technical Data Sheet

## Gapex RPP40EB39 HB Black

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

| General                                                            |                                     |                        |             |
|--------------------------------------------------------------------|-------------------------------------|------------------------|-------------|
| Filler / Reinforcement                                             | • Glass Fiber, 40% Filler by Weight |                        |             |
| Features                                                           | • Chemically Coupled                |                        |             |
| Appearance                                                         | • Black                             |                        |             |
| 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)                          | 5.7 g/10 min                        | 5.7 g/10 min           | ASTM D1238  |
| Mechanical                                                         | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Tensile Strength (73°F (23°C))                                     | 12500 psi                           | 86.2 MPa               | ASTM D638   |
| Flexural Modulus - Tangent (73°F (23°C))                           | 1.11E+6 psi                         | 7630 MPa               | ASTM D790   |
| Impact                                                             | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (73°F (23°C))                                  | 1.5 ft·lb/in                        | 80 J/m                 | ASTM D256   |
| Thermal                                                            | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load<br>66 Psi (0.45 Mpa), Unannealed | 320 °F                              | 160 °C                 | ASTM D648   |
| RTI Elec                                                           | 149 °F                              | 65.0 °C                | UL 746B     |
| RTI Imp                                                            | 149 °F                              | 65.0 °C                | UL 746B     |
| RTI Str                                                            | 149 °F                              | 65.0 °C                | UL 746B     |
| Flammability                                                       | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Flame Rating                                                       | HB                                  | HB                     | UL 94       |

### Notes

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