

Technical Data Sheet

## Fiberfil J-68/20/E/SD

Polypropylene Copolymer  
LyondellBasell Industries  
Engineering Plastics

| General                                   |                                     |                        |             |
|-------------------------------------------|-------------------------------------|------------------------|-------------|
| Filler / Reinforcement                    | • Glass Fiber, 20% Filler by Weight |                        |             |
| Additive                                  | • Antistatic                        |                        |             |
| Features                                  | • Antistatic                        | • Chemically Coupled   | • Copolymer |
| Forms                                     | • Pellets                           |                        |             |
| Physical                                  | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Density / Specific Gravity                | 1.04                                | 1.04 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 12 g/10 min                         | 12 g/10 min            | ASTM D1238  |
| Water Absorption (24 Hr)                  | 0.020 %                             | 0.020 %                | ASTM D570   |
| Mechanical                                | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Tensile Modulus (73°F (23°C))             | 435000 psi                          | 3000 MPa               | ASTM D638   |
| Tensile Strength (73°F (23°C))            | 7250 psi                            | 50.0 MPa               | ASTM D638   |
| Tensile Elongation (Yield, 73°F (23°C))   | 4.0 %                               | 4.0 %                  | ASTM D638   |
| Flexural Modulus - Tangent (73°F (23°C))  | 479000 psi                          | 3300 MPa               | ASTM D790   |
| Flexural Strength (73°F (23°C))           | 10200 psi                           | 70.0 MPa               | ASTM D790   |
| Impact                                    | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Notched Izod Impact                       |                                     |                        | ASTM D256   |
| 73°F (23°C), 0.125 In (3.18 Mm)           | 3.6 ft·lb/in                        | 190 J/m                |             |
| Hardness                                  | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Rockwell Hardness (R-scale)               | 90                                  | 90                     | ASTM D785   |
| Thermal                                   | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load         |                                     |                        | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed             | 276 °F                              | 136 °C                 |             |
| 264 Psi (1.8 Mpa), Unannealed             | 265 °F                              | 129 °C                 |             |

### Notes

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