**Technical Data Sheet**

# *Network Polymers Pp* 30 0500 GF40

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

| General | | |
|---|---|---|
| Filler / Reinforcement | • Glass Fiber, 40% Filler by Weight | |
| Features | • Chemically Coupled | • Heat Stabilized |
| Forms | • Pellets | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.22 | 1.22 g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) [1] (230°c/2.16 Kg) | 5.0 g/10 min | 5.0 g/10 min | ASTM D1238 |
| **Mechanical** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Tensile Strength [2] | | | ASTM D638 |
| Break, 73°f (23°c), 0.125 In (3.18 Mm), Injection Molded | 15300 psi | 106 MPa | |
| Tensile Elongation [2] | | | ASTM D638 |
| Break, 73°f (23°c), 0.125 In (3.18 Mm), Injection Molded | 2.8 % | 2.8 % | |
| Flexural Modulus - Tangent [3] | | | ASTM D790 |
| 73°f (23°c), 0.125 In (3.18 Mm), Injection Molded | 1.16E+6 psi | 7980 MPa | |
| Flexural Strength [3] | | | ASTM D790 |
| 73°f (23°c), 0.125 In (3.18 Mm), Injection Molded | 21400 psi | 148 MPa | |
| **Impact** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Notched Izod Impact | | | ASTM D256A |
| 73°f (23°c), 0.125 In (3.18 Mm), Injection Molded | 1.9 ft·lb/in | 100 J/m | |
| **Thermal** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Deflection Temperature Under Load | | | ASTM D648 |
| 264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm), Injection Molded | 323 °F | 162 °C | |
| Vicat Softening Temperature | 293 °F | 145 °C | ASTM D1525 |

| Additional Information | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|---|---|---|
| Filler Content | 40 % | 40 % | ASTM D2584 |

### Notes

[1] Procedure A

[2] Type I, 2.0 in/min (51 mm/min)

[3] 0.050 in/min (1.3 mm/min)

### Notes

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