

## Technical Data Sheet

**Network Polymers Pp PPR 20 1201 CAS**

Polypropylene Random Copolymer  
LyondellBasell Industries  
Engineering Plastics

**General**

|                   |                                      |                                   |                    |
|-------------------|--------------------------------------|-----------------------------------|--------------------|
| Material Status   | • Commercial: Active                 |                                   |                    |
| Availability      | • North America                      |                                   |                    |
| Additive          | • Antistatic                         | • Clarifier                       | • Nucleating Agent |
| Features          | • Antistatic<br>• Fast Molding Cycle | • Good Toughness<br>• Low Warpage | • Nucleated        |
| Uses              | • Thin-walled Parts                  |                                   |                    |
| Processing Method | • Injection Molding                  |                                   |                    |

| Physical                                                           | Nominal Value (English) | Nominal Value (SI)      | Test Method |
|--------------------------------------------------------------------|-------------------------|-------------------------|-------------|
| Density / Specific Gravity                                         | 0.902                   | 0.900 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) <sup>1</sup> (230°C/2.16 kg)             | 12 g/10 min             | 12 g/10 min             | ASTM D1238  |
| Mechanical                                                         | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Tensile Strength <sup>2</sup> (Yield)                              | 3800 psi                | 26.2 MPa                | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Yield)                            | 9.0 %                   | 9.0 %                   | ASTM D638   |
| Flexural Modulus <sup>3</sup>                                      | 140000 psi              | 965 MPa                 | ASTM D790B  |
| Impact                                                             | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Notched Izod Impact (0.125 in (3.18 mm))                           | 1.2 ft·lb/in            | 64 J/m                  | ASTM D256A  |
| Thermal                                                            | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Deflection Temperature Under Load<br>66 psi (0.45 MPa), Unannealed | 185 °F                  | 85.0 °C                 | ASTM D648   |

**Notes**

<sup>1</sup> Procedure A

<sup>2</sup> 2.0 in/min (51 mm/min)

<sup>3</sup> Method I (3 point load), 0.050 in/min (1.3 mm/min)

**Notes**

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

**Processing Techniques**

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

**Product Storage and Handling**

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

**Company Information**

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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