

## Purell RP375R

### PP RANDOM

LyondellBasell Industries

| Rheological properties | Value | Unit    | Test Standard |
|------------------------|-------|---------|---------------|
| <b>ISO Data</b>        |       |         |               |
| Melt Flow Index, MFI   | 25    | g/10min | ISO 1133      |
| MFI temperature        | 230   | °C      | -             |
| MFI load               | 2.16  | kg      | -             |

| Mechanical Properties                   | Value | Unit              | Test Standard |
|-----------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                         |       |                   |               |
| Tensile Modulus                         | 1100  | MPa               | ISO 527       |
| Yield stress                            | 27    | MPa               | ISO 527       |
| Yield strain                            | 15    | %                 | ISO 527       |
| Strain at Break                         | >50   | %                 | ISO 527       |
| Notched Impact Strength (Charpy), +23°C | 6     | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Ball Indentation Hardness               | 45    | MPa               | ISO 2039-1    |

| Thermal Properties                        | Value | Unit | Test Standard |
|-------------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                           |       |      |               |
| Temp. of deflection under load (0.45 MPa) | 78    | °C   | ISO 75-1/-2   |
| Vicat softening temperature A             | 134   | °C   | ISO 306       |

| Other Properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| <b>ISO Data</b>  |       |                   |               |
| Density          | 900   | kg/m <sup>3</sup> | ISO 1183      |

| Optical Properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| <b>ASTM Data</b>   |       |      |               |
| Haze               | 9     | %    | ASTM D 1003   |

## Characteristics

### Processing

Injection Molding

### Chemical Resistance

Radiation Resistance

### Special Characteristics

Transparent, Sterilizable, Ethylene Oxide (EtO) Sterilization, Steam sterilization, Gamma irradiation sterilization, Electron beam (e-beam) sterilization

### Certifications

Medical

### Features

Copolymer, Random Copolymer

### Applications

Medical