

**Queo™ 1001**

PE

Borealis A/S

| Processing/Physical Characteristics | Value | Unit              | Test Standard  |
|-------------------------------------|-------|-------------------|----------------|
| <b>ISO Data</b>                     |       |                   |                |
| Melt flow index, MFI                | 1.1   | g/10min           | ISO 1133       |
| Temperature                         | 190   | °C                | -              |
| Load                                | 2.16  | kg                | -              |
| <b>Mechanical properties</b>        |       |                   |                |
| <b>ISO Data</b>                     |       |                   |                |
| Tensile Strength                    | 35    | MPa               | ISO 527        |
| Strain at break                     | 750   | %                 | ISO 527        |
| Flexural modulus, 23°C              | 132   | MPa               | ISO 178        |
| Izod notched impact strength, +23°C | N     | kJ/m <sup>2</sup> | ISO 180/1A     |
| Shore D hardness                    | 49    | -                 | ISO 7619-1     |
| <b>Thermal properties</b>           |       |                   |                |
| <b>ISO Data</b>                     |       |                   |                |
| Melting temperature, 10°C/min       | 106   | °C                | ISO 11357-1/-3 |
| Vicat softening temperature, A      | 93    | °C                | ISO 306        |
| <b>Optical properties</b>           |       |                   |                |
| <b>ASTM Data</b>                    |       |                   |                |
| Gloss                               | 81    | -                 | ASTM D 2457    |
| Haze                                | 2     | %                 | ASTM D 1003    |
| <b>Other properties</b>             |       |                   |                |
| Density                             | 910   | kg/m <sup>3</sup> | ISO 1183       |
| <b>Film Properties</b>              |       |                   |                |
| <b>ASTM Data</b>                    |       |                   |                |
| Tensile Modulus, MD                 | 90    | MPa               | ASTM D 882     |
| Type of extrusion                   | blown | -                 | -              |

**Characteristics****Processing**

Blow Molding

**Special Characteristics**

High impact or impact modified

**Features**

Barrier Properties, Blending Resin, Foamable, Heat Sealable

**Chemical Resistance**

Environmental Stress Crack Resistance

**Certifications**

Food contact

**Applications**

Automotive

**Regional Availability**

Europe