Technical Data Sheet

# *Perlex* PC R251 NATURAL 0-0268

Polycarbonate

## Product Description

*Perlex* PC R251 NATURAL 0-0268 is a Polycarbonate material. Features include: Medium Flow.

## Regulatory Status

For regulatory compliance information, see PC R251 NATURAL 0-0268 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

| | |
|---|---|
| **Status** | Discontinued |
| **Availability** | Africa-Middle East; Asia-Pacific; Europe; Latin America; North America |
| **Attribute** | Medium Flow |
| **Application** | Electrical Parts |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate, (300 °C/1.2 kg) | 11 | g/10 min | ISO 1133 |
| Density | 1.2 | g/cm³ | ISO 1183 |
| **Mechanical** | | | |
| Tensile Stress at Yield | 60 | MPa | ISO 527-2 |
| Tensile Strain at Break | 100 | % | ISO 527-2 |
| Flexural Modulus | 2300 | MPa | ISO 178 |
| Tensile Modulus | 2350 | MPa | ISO 527-1 |
| Flexural Stress | 90 | MPa | ISO 178 |
| **Impact** | | | |
| Notched Izod Impact (Area), (23 °C) | 45.0 | kJ/m² | ASTM D256 |
| **Thermal** | | | |
| Vicat Softening Temperature, (B (50N), 50 °C/h) | 142 | °C | ISO 306 |
| Deflection Temperature Under Load Unannealed (0.45 MPa) | 135 | °C | ISO 75-2/B |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 125 | °C | ISO 75-2/A |
| **Flammable** | | | |
| Burning Rate | | | |
| (2.00 mm) | <100 | mm/min | ISO 3795 |
| (2.00 mm) | <100 | mm/min | FMVSS 302 |
| Glow Wire Ignition Temperature | | | |
| (3.0 mm) | 850 | °C | IEC 60695-2-13 |
| (2.0 mm) | 850 | °C | IEC 60695-2-13 |
| (1.0 mm) | 850 | °C | IEC 60695-2-13 |
| **UL Information** | | | |
| Flame Rating | | | |
| (1.5 mm) | HB | | UL 94 |
| (3.0 mm) | HB | | UL 94 |
| (0.8 mm) | HB | | UL 94 |

## 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.

## Company Information

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

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