

## Technical Data Sheet

### *Perlex* R203 NFGU SLD BLUE 3-1515



Polycarbonate

#### Product Description

*Perlex* R203 NFGU SLD BLUE 3-1515 is a Polycarbonate material. Features include: Good Flow, and UV Resistant.

#### Regulatory Status

For regulatory compliance information, see *Perlex* R203 NFGU SLD BLUE 3-1515 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                     |                                                                        |
|---------------------|------------------------------------------------------------------------|
| <b>Status</b>       | Limited Issue                                                          |
| <b>Availability</b> | Africa-Middle East; Asia-Pacific; Europe; Latin America; North America |
| <b>Attribute</b>    | Good Flow; UV Resistant                                                |
| <b>Additive</b>     | UV Stabilizer                                                          |
| <b>Application</b>  | Automotive Applications; Lighting Fixtures                             |

| Typical Properties                                      | Nominal Value | Units             | Test Method    |
|---------------------------------------------------------|---------------|-------------------|----------------|
| <b>Physical</b>                                         |               |                   |                |
| Melt Flow Rate, (300 °C/1.2 kg)                         | 26            | g/10 min          | ISO 1133       |
| Density                                                 | 1.2           | g/cm <sup>3</sup> | ISO 1183       |
| <b>Mechanical</b>                                       |               |                   |                |
| 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        |
| <b>Impact</b>                                           |               |                   |                |
| Notched Izod Impact (Area), (23 °C)                     | 40.0          | kJ/m <sup>2</sup> | ASTM D256      |
| <b>Thermal</b>                                          |               |                   |                |
| Vicat Softening Temperature, (B (50N), 50 °C/h)         | 141           | °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     |
| <b>Flammable</b>                                        |               |                   |                |
| Burning Rate                                            |               |                   |                |
| (2.00 mm)                                               | <100          | mm/min            | FMVSS 302      |
| (2.00 mm)                                               | <100          | mm/min            | ISO 3795       |
| 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 |
| <b>UL Information</b>                                   |               |                   |                |
| 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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