

## Perlex R2530

Polycarbonate  
LyondellBasell Industries  
Engineering Plastics

| General                                  |                                     |                        |             |
|------------------------------------------|-------------------------------------|------------------------|-------------|
| Filler / Reinforcement                   | • Glass Fiber, 30% Filler by Weight |                        |             |
| Uses                                     | • Telecommunications                |                        |             |
| Physical                                 | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Density                                  | 1.35 g/cm <sup>3</sup>              | 1.35 g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 Kg) | 3.0 g/10 min                        | 3.0 g/10 min           | ISO 1133    |
| Mechanical                               | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Tensile Modulus                          | 1.22E+6 psi                         | 8400 MPa               | ISO 527-1   |
| Tensile Stress (Yield)                   | 13800 psi                           | 95.0 MPa               | ISO 527-2   |
| Flexural Modulus                         | 1.16E+6 psi                         | 8000 MPa               | ISO 178     |
| Flexural Stress                          | 25400 psi                           | 175 MPa                | ISO 178     |
| Impact                                   | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (Area) (73°F (23°C)) | 4.76 ft·lb/in <sup>2</sup>          | 10.0 kJ/m <sup>2</sup> | ASTM D256   |
| Thermal                                  | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load        |                                     |                        |             |
| 66 Psi (0.45 Mpa), Unannealed            | 300 °F                              | 149 °C                 | ISO 75-2/B  |
| 264 Psi (1.8 Mpa), Unannealed            | 289 °F                              | 143 °C                 | ISO 75-2/A  |
| Vicat Softening Temperature              | 293 °F                              | 145 °C                 | ISO 306/B50 |
| Flammability                             | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Burning Rate                             |                                     |                        |             |
| 0.0787 In (2.00 Mm)                      | < 3.9 in/min                        | < 100 mm/min           | ISO 3795    |
| 0.0787 In (2.00 Mm)                      | < 3.9 in/min                        | < 100 mm/min           | FMVSS 302   |
| Flame Rating                             | HB                                  | HB                     | UL 94       |

### Notes

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