

**Technical Data Sheet****Network Polymers Pc 1514 UV**

Polycarbonate  
LyondellBasell Industries  
Engineering Plastics

**General**

|                 |                      |
|-----------------|----------------------|
| Material Status | • Commercial: Active |
| Availability    | • North America      |
| Additive        | • Lubricant          |
| Features        | • UV Resistant       |

| Physical                                                                               | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|----------------------------------------------------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity                                                             | 1.20                    | 1.20 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) <sup>1</sup> (300°C/1.2 kg)                                  | 15 g/10 min             | 15 g/10 min            | ASTM D1238  |
| Mechanical                                                                             | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength <sup>2</sup> (Yield)                                                  | 9000 psi                | 62.1 MPa               | ASTM D638   |
| Flexural Modulus <sup>3</sup>                                                          | 330000 psi              | 2280 MPa               | ASTM D790B  |
| Impact                                                                                 | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (0.125 in (3.18 mm))                                               | 15 ft-lb/in             | 800 J/m                | ASTM D256A  |
| Hardness                                                                               | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Rockwell Hardness (R-Scale)                                                            | 120                     | 120                    | ASTM D785   |
| Thermal                                                                                | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load<br>264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm) | 262 °F                  | 128 °C                 | ASTM D648   |

**Notes**

<sup>1</sup> Procedure A

<sup>2</sup> 2.0 in/min (51 mm/min)

<sup>3</sup> Method I (3 point load), 0.050 in/min (1.3 mm/min)

**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.

**Product Storage and Handling**

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

**Company Information**

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

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