

Technical Data Sheet

## Network Polymers Sbn 150

Styrene Butadiene Acrylonitrile Terpolymer  
LyondellBasell Industries  
Engineering Plastics

| General                                               |                         |                        |                               |
|-------------------------------------------------------|-------------------------|------------------------|-------------------------------|
| Agency Ratings                                        | • FDA 21 CFR 177.1640   | • FDA 21 CFR 181.32    | • FDA 21 CFR 181.32(a)(3)(ii) |
| Physical                                              | Nominal Value (English) | Nominal Value (SI)     | Test Method                   |
| Density / Specific Gravity                            | 1.04                    | 1.04 g/cm <sup>3</sup> | ASTM D792                     |
| Melt Mass-Flow Rate (MFR) <sup>1</sup> (200°C/5.0 Kg) | 7.4 g/10 min            | 7.4 g/10 min           | ASTM D1238                    |
| Mechanical                                            | Nominal Value (English) | Nominal Value (SI)     | Test Method                   |
| Tensile Strength <sup>2</sup> (Yield)                 | 6600 psi                | 45.5 MPa               | ASTM D638                     |
| Tensile Elongation <sup>2</sup> (Break)               | 10 %                    | 10 %                   | ASTM D638                     |
| Flexural Modulus - Tangent <sup>3</sup>               | 300000 psi              | 2070 MPa               | ASTM D790                     |
| Impact                                                | Nominal Value (English) | Nominal Value (SI)     | Test Method                   |
| Notched Izod Impact                                   |                         |                        | ASTM D256                     |
| 73°F (23°C), 0.125 In (3.18 Mm)                       | 0.50 ft·lb/in           | 27 J/m                 |                               |
| Thermal                                               | Nominal Value (English) | Nominal Value (SI)     | Test Method                   |
| Deflection Temperature Under Load                     |                         |                        | ASTM D648                     |
| 264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm)     | 181 °F                  | 82.8 °C                |                               |
| Vicat Softening Temperature                           | 210 °F                  | 98.9 °C                | ASTM D1525 <sup>4</sup>       |

### Notes

<sup>1</sup> Procedure A

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

<sup>3</sup> 0.050 in/min (1.3 mm/min)

<sup>4</sup> Loading 1 (10 N)

### Notes

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