

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 ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (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 ² (Yield)	6600 psi	45.5 MPa	ASTM D638
Tensile Elongation ² (Break)	10 %	10 %	ASTM D638
Flexural Modulus - Tangent ³	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 ⁴

Notes

¹ Procedure A² 2.0 in/min (51 mm/min)³ 0.050 in/min (1.3 mm/min)⁴ Loading 1 (10 N)

Notes

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

