

Technical Data Sheet

Network Polymers San 290

Styrene Acrylonitrile
LyondellBasell Industries
Engineering Plastics

General		
Agency Ratings	• FDA 21 CFR 181.32	• FDA 21 CFR 181.32(a)(3)(ii)
Appearance	• Clear/Transparent	• Light Blue
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.08	1.08 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	2.4 g/10 min	2.4 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	10100 psi	69.6 MPa	ASTM D638
Flexural Modulus - Tangent ²	535000 psi	3690 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm)	0.30 ft·lb/in	16 J/m	ASTM D256

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	86	86	ASTM D785

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm)	217 °F	103 °C	ASTM D648
Vicat Softening Temperature	228 °F	109 °C	ASTM D1525

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.6 Mm))	HB	HB	UL 94

Notes

¹ 2.0 in/min (51 mm/min)

² 0.050 in/min (1.3 mm/min)

Notes

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