

Technical Data Sheet

Network Polymers Ps CPS 80-1200B- BEADS

General Purpose Polystyrene
LyondellBasell Industries
Engineering Plastics

General			
Forms	• Granules		
Processing Method	• Compounding • Compounding Extrusion		
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)	12 g/10 min	12 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus ²	44000 psi	303 MPa	ASTM D638
Tensile Strength ² (Yield)	5000 psi	34.5 MPa	ASTM D638
Tensile Elongation (Break)	1.2 %	1.2 %	ASTM D638
Flexural Modulus ³	460000 psi	3170 MPa	ASTM D790B
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 In (3.18 Mm))	0.20 ft·lb/in	11 J/m	ASTM D256A
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	79	79	ASTM D2240

Notes

¹ Procedure A

² 2.0 in/min (51 mm/min)

³ 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.