

Technical Data Sheet

**Network Polymers Ps CPS 80-1200B- BEADS**

General Purpose Polystyrene
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active		
Availability	• North America		
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.

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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