

Technical Data Sheet

**Network Polymers Lldpe 11 5026**

Linear Low Density Polyethylene
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• North America

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.926 g/cm ³	0.926 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 kg)	50 g/10 min	50 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	2100 psi	14.5 MPa	ASTM D638
Tensile Elongation (Break)	170 %	170 %	ASTM D638
Flexural Modulus - 1% Secant ²	52000 psi	359 MPa	ASTM D790B
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	49 to 55	49 to 55	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	-103 °F	-75.0 °C	ASTM D746

Notes

¹ Procedure A

² Method I (3 point load)

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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