

Network Polymers Lldpe 11 5026

Linear Low Density Polyethylene

LyondellBasell Industries

Engineering Plastics

General

Agency Ratings • FDA 21 CFR 177.1520

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.