

Technical Data Sheet

Network Polymers Hdpe 50 0149

Extra High Molecular Weight Polyethylene

LyondellBasell Industries

Engineering Plastics

General			
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.949 g/cm ³	0.949 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 Kg)	10 g/10 min	10 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3600 psi	24.8 MPa	ASTM D638
Tensile Elongation ¹ (Break)	600 %	600 %	ASTM D638
Flexural Modulus	170000 psi	1170 MPa	ASTM D790
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	-131 °F	-90.6 °C	ASTM D746

Notes

¹ 2.0 in/min (51 mm/min)

Notes

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