

LDPE

Complies with:

- U.S. FDA 21 CFR 177.1520(c)2.2
- EU, No 10/2011
- Canadian HPFB No Objection

Consult the regulations for complete details.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.918 g/cm ³	0.918 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	7.7 g/10 min	7.7 g/10 min	ISO 1133
Molding Shrinkage - Flow (428°F (220°C))	0.026 in/in	2.6 %	ASTM D955 ¹
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus - 2% Secant	23200 psi	160 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	1160 psi	8.00 MPa	
Break	1450 psi	10.0 MPa	
Tensile Elongation (Break)	450 %	450 %	ASTM D638
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Seal Initiation Temperature	221 °F	105 °C	Dow Method ²
Water Vapor Transmission	17 g/100 in ² /24 hr	270 g/m ² /24 hr	ASTM E398-83 ³
Minimum Heat Seal Temperature	212 to 248 °F	100 to 120 °C	Dow Method
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	192 °F	89.0 °C	ISO 306/A
Melting Temperature	223 °F	106 °C	DSC
Extrusion	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Temperature	518 to 635 °F	270 to 335 °C	
Minimum Coating Weight	3.1 lb/ream	5.0 g/m ²	Dow Method ⁴
Neck-in	2.6 in	65.0 mm	Dow Method ⁵