



## LDPE

### Physical Properties

Property	Method	SI Unit	SI Value	English Unit	English Value
Melt Index	ASTM D-1238	g/10 min	1.25	na	na
Density	ASTM D-792	kg/m <sup>3</sup>	920	lbs/ft <sup>3</sup>	57.39
Yield Point	ASTM D-638	MPa	9.4	psi	1363
Tensile Break	ASTM D-638	MPa	13.4	psi	1943
Elongation at Break	ASTM D-638	%	515	%	515
Tensile Modulus	ASTM D-638	MPa	287	psi	41615
Flexural Modulus	ASTM D-790	MPa	197	psi	28565
Flexural Strength	ASTM D-790	MPa	8.1	psi	1175
Izod Impact	ASTM D-4020	J/m	No Break	ft-lbx/inch	No Break
Tensile Impact	DIN 53448	kJ/m <sup>2</sup>	843	ft-lbs/in <sup>2</sup>	401
Hardness	ASTM D-2240	Shore D	55	Shore D	55
Melt Point	ASTM D-3417	°C	110	°F	230
Heat Deflection 264 psi 66 psi	ASTM D-668	°C	36.7 43.3	°F	98 110
Volume Resistivity	ASTM D-257	Ohm-cm	>10 <sup>15</sup>	Ohm-cm	>10 <sup>15</sup>
Surface Resistivity	ASTM D-257	Ohm	>10 <sup>15</sup>	Ohm	>10 <sup>15</sup>
Water Absorption	ASTM D-570	%	slight	%	slight

\* Values are averages and are not specifications.

\*\* ASTM test methods are under current procedures.

IMPORTANT: The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained therefrom. Lehigh Valley Plastics, Inc. will not be held responsible for the use of this information relative to actual application.