



HDPE

Property	Method	SI Unit	SI Value	English Unit	English Value
Density	ASTM D-792	kg/m ³	960	lbs/ft ³	59.88
Yield Point	ASTM D-638	MPa	29.5	psi	4279
Elongation at Yield	ASTM D-638	%	18	%	18
Tensile Break	ASTM D-638	MPa	30.5	psi	4423
Elongation at Break	ASTM D-638	%	600	%	600
Tensile Modulus	ASTM D-638	MPa	1550	psi	224812
Flexural Modulus	ASTM D-790	MPa	1150	psi	166796
Izod Impact	ASTM D-256	J/m	67	ft-lbs/inch	1.3
Tensile Impact	DIN 53448	kJ/m ²	570	ft-lbs/in ²	570
Hardness	ASTM D-2240	Type D	67	Type D	67
Melt Point	ASTM D-3417	°C	126-129	°F	259-264
Compressive Modulus	ASTM D-621	MPa	na	Psi	na
Compressive Deformation	ASTM D-621	% at 454.5 kg	na	% at 1000 psi	na
Volume Resistivity	ASTM D-257	Ohm-cm	>10 ¹⁵	Ohm-cm	>10 ¹⁵
Surface Resistivity	ASTM D-257	Ohm	>10 ¹⁵	Ohm	>10 ¹⁵
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.