



Typical Properties of

LDPE**Low Density Polyethylene**

Process: Extruded

Property	Test Method	Unit	Value
Specific Gravity	D792	--	0.92
Tensile Strength	D638	psi	1,700
Tensile Modulus	D638	psi	57,000
Elongation	D638	%	400
Flexural Strength	D790	psi	--
Flexural Modulus	D790	psi	29,000
Compressive Strength	D695	psi	1,500
Compressive Modulus	D695	psi	--
Hardness, Rockwell	D785	--	R10
Hardness Durometer	--	--	D54
Izod Impact (notched)	D256	ft. lb of notch	No Break
Coeff. of Friction (Dynamic)	--	dry v.s steel	--
Coeff. of Linear Therm. Expan.	E831/ D696	in./in./°F	9.1×10^{-5}
Continuous Use Temperature	--	°F	160
Heat Deflection Temperature	D648	°F	97
Glass Transition Temperature	D3418	°F	97
Melting Point	D3418	°F	230
Thermal Conductivity	E1530-11	BTU in/hr ft ² °F	--
Dielectric Strength	D149	Volts/mil	--
Surface Resistivity	EOS/ESD 511.11	ohm/square	$>10^{15}$
Flammability	UL94	--	HB
Water Absorption, 24 hrs.	D570	% by weight	<.01
Water Absorption, Saturation	D570	% by weight	<.01
Limiting PV (4:1 Safety Factor)	--	--	--
K-Factor	--	--	650
FDA Compliance	--	--	Yes

Note: The data provided is for reference purposes only. Additional testing may be required for design specifications or quality control.
All values at 73 F unless otherwise stated.