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PE0001 – Low Density Polyethylene / Polyester Film Material Information Sheet

Material	Polyethylene / Polyester Film	Item #	PE0001
Product Description	48-gauge (0.0005") Polyester (PET) / 2 mil Low Density Polyethylene Film.		
FDA Status	All components of this product comply with FDA requirements for materials used in food packaging.		
Material Characteristics	<ul style="list-style-type: none"> • Clear film • Good bond with clean peel characteristics when sealed under suitable conditions • ETO or radiation sterilizable • Note: Not peelable when sealed to itself (PE0001) 		
Typical Applications	Medical sterilization peel pouches.		
Physical Properties (Nominal)			
Polyethylene	2 mil Low Density Polyethylene Film		
Polyester	48 gauge Oriented		
Caliper	2.5 mils (0.0025")		
Typical Sealing Range	250-350 °F / 1-3 sec. / 50-100 psi		
Haze	7%		
Tensile Strength	• MD – 5500 psi • TD – 6200 psi		
Elongation	• MD – 70% • TD – 48%		
Bond Strength Between Laminates	450 g/in		
MVTR	0.6 grams / 100 sq. inch / 24 hours @ 73 deg F / 100% RH		
Oxygen Permeability	6.0 cc / 100 sq. inch / 24 hours @ 73 deg F / 100% RH		
Coefficient of Friction	• PET – 0.211 • LLDPE – 0.11		
Surface Energy (Treat)	• PET – 40 dynes / sq.cm • LLDPE – 42 dynes / sq.cm		

These physical properties listed above are typical and not specification limits. They are not meant for customer specifications development. Customers are solely responsible for determining the suitability of this product for their intended use.