



Peelmaster Packaging Corporation
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PE0001 – Low Density Polyethylene / Polyester Film Material Data

Material	Polyethylene / Polyester Film	PeelMaster Item #	PE0001
Product Description	48 gauge (0.0005") Polyester (PET) / 2 mil Low Density Polyethylene Film.		
FDA Status	<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).		
Material Characteristics	All components of this product comply with FDA requirements for materials used in food packaging.	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.