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## 0.001" nylon /0.003" low density polyethylene Material Data Sheet

<b>Material</b>	Polyethylene / Nylon Film	<b>PeelMaster Item #</b>	NY0002
<b>Product Description</b>	0.001" nylon /0.003" low density polyethylene		
<b>FDA Status</b>	All resins and additives used shall comply with applicable requirements of the Federal Food, Drug, and Cosmetic Act for Packaging.		
<b>Material Characteristics</b>	<ul style="list-style-type: none"> <li>• Clear film</li> <li>• Tougher than standard polyethylene/polyester films</li> <li>• Good abrasion and puncture resistance</li> <li>• Good bond with clean peel characteristics when sealed under suitable conditions</li> <li>• ETO or radiation sterilizable.</li> </ul>	<b>Typical Applications</b>	Typical Applications Medical sterilization peel pouches
<b>Physical Properties (Nominal)</b>			
<b>Polyethylene</b>	62.4 lbs./ream to 62.87 lbs./ream (ASTM D3776 and CTM # 3001.00)		
<b>Area yield</b>	6,871 in <sup>2</sup> /lb. to 6,923 in <sup>2</sup> /lb. (ASTM D3776)		
<b>Total Thickness (gauge)</b>	0.004" in		
<b>Typical Sealing Range</b>	Our recommendation is to begging testing at 240° F, 1.0 second dwell, and 30 PSI		
<b>Haze</b>	12 % (ASTM D1003)		
<b>Tensile Strength</b>	MD - 8,500 lbs./sq. in. (ASTM D 882) TD - 8,500 lbs./sq. in. (ASTM D 882)		
<b>Tensile Modulus (Youngs)</b>	MD – 40,000 lbs./sq. in. (ASTM D 882) TD - 40,000 lbs./sq. in. (ASTM D 882)		
<b>Elongation</b>	MD – 120 % (ASTM D 882) TD - 120 % (ASTM D 882)		
<b>Elmendorf Tear</b>	MD – 200 grams (ASTM D 1922) TD – 200 grams (ASTM D 1922)		
<b>Spencer Impact</b>	>17,000 lbs./sq. in. (ASTM D 3420)		
<b>Oxygen Transmission</b>	<3.0 cc/100 sq. in. / 24 hours (ASTM 3985 or ASTM D 1434)		
<b>Surface Energy (Treat)</b>			

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