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**NY0002 - 0.001" biaxially-oriented nylon / 0.003" low density polyethylene
 Material Information Sheet**

Material	Polyethylene / Nylon Film	Item #	NY0002
Product Description	0.001" biaxially-oriented nylon / 0.003" low density polyethylene		
FDA Status	All resins and additives used shall comply with applicable requirements of the Federal Food, Drug, and Cosmetic Act for Packaging.		
Material Characteristics	• Clear film • Tougher than standard polyethylene / polyester films • Good abrasion and puncture resistance • Good bond with clean peel characteristics when sealed under suitable conditions • ETO or radiation sterilizable		
Typical Applications	Medical sterilization peel pouches.		
Physical Properties (Nominal)			
Polyethylene	62.4 lbs./ream to 62.87 lbs./ream (ASTM D3776 and CTM # 3001.00)		
Area Yield	6,871 in ² /lb. to 6,923 in ² /lb. (ASTM D3776)		
Total Thickness (Gauge)	0.004" in		
Typical Sealing Range	Our recommendation is to begging testing at 240° F, 1.0 second dwell, and 30 PSI		
Haze	12 % (ASTM D1003)		
Tensile Strength	• MD – 8,500 lbs./sq. in. (ASTM D 882) • TD – 8,500 lbs./sq. in. (ASTM D 882)		
Tensile Modulus (Youngs)	• MD – 40,000 lbs./sq. in. (ASTM D 882) • TD – 40,000 lbs./sq. in. (ASTM D 882)		
Elongation	• MD – 120 % (ASTM D 882) • TD – 120 % (ASTM D 882)		
Elmendorf Tear	• MD – 200 grams (ASTM D 1922) • TD – 200 grams (ASTM D 1922)		
Spencer Impact	>17,000 lbs./sq. in. (ASTM D 3420)		
Oxygen Transmission (OTR)	<3.0 cc/100 sq. in. / 24 hours (ASTM 3985 or ASTM D 1434)		

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.