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MPPE01 - 0.0005" metallized polyester/0.002 Peelable low density polyethylene
Material Information Sheet

Material	Metallized polyester / low density polyethylene	**Item #**	MPPE01
Product Description	0.0005" metallized polyester/0.002 peelable low density polyethylene		
FDA Status	All components of this product comply with FDA requirements for materials used in food packaging.		
Material Characteristics	MPPE01 is an uncoated peelable plastic material that eliminates coating contaminates. It provides a smooth easy peel opening of the sealed areas and an excellent moisture – vapor barrier. It also offers good printability and high degree of puncture resistance.		
Typical Applications	Applications where light, oxygen or moisture barrier is needed. Ideal for use as a peelable pouch component or as peelable top web.		

Physical Properties (Typical Values)

Characteristic	Test Method	Units	Typical Values
Thickness Caliper	ASTM D2103	mils.	2.5"
Basis Weight	N/A	lbs. / ream	41
Material Yield	Calculated	in^2 / lb.	10,537
Tensile Strength (MD)	ASTM D882	lbs. / sq. in.	7000
Tensile Strength (TD)	ASTM D882	lbs. / sq. in.	7000
Tensile Modulus Youngs (MD)	ASTM D882	lbs. / sq. in.	70000
Tensile Modulus Youngs (TD)	ASTM D882	lbs. / sq. in.	70000
Elongation (MD)	ASTM D882	%	130
Elongation (TD)	ASTM D882	%	130
Elmendorf Tear (MD)	ASTM D1922	gms.	160
Elmendorf Tear (TD)	ASTM D1922	gms.	500
Spencer Impact	ASTM D3420	lbs. / sq. in.	13000
MVTR (moisture)	ASTM F1249	g/H_2O/100 sq. in./24 hours	<.10
OTR (Oxygen)	ASTM D3985	cc/100 sq. in..24 hours	<.10
Typical Sealing Range	Sealing process parameters will depend greatly on specific application, equipment, etc. Typical ranges might include: 240º-310° F, 1 sec., 30 psi.		

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.