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DUPONT™ TYVEK® 1073B WITH AN OVERALL HEAT-SEAL COATING MATERIAL DATA

Material	General Purpose Sealable Coated Tyvek® 1073B	PeelMaster Item #	CT1073	
Product Description	A Tyvek® product suitable for sealing to a variety of polymeric materials, providing required peel characteristics.			
FDA Status	All components of this product comply with FDA regulations for materials used in food packaging. DMF & MAF numbers available for FDA reference upon request.			
Typical Applications	Die-Cut and Square-Cut Lids for sealing on rigid polymeric trays, medical pouches and header bags.			
PROPERTY	TEST METHOD	UNITS	ENGLISH	METRIC
SPECIFICATION PROPERTIES				
Basis Weight	ASTM D3776 ¹ EN ISO 536 ¹	oz/yd ² - <i>English</i> g/m ² - <i>Metric</i>	2.20 - <i>Typical Value</i> (2.10-2.30) - <i>Range</i>	74.7 - <i>Typical Value</i> (71.2-78.0) - <i>Range</i>
Delamination	ASTM D2724 ²	lbf/in. - <i>English</i> N/2.54 cm - <i>Metric</i>	0.6 - <i>Typical Value</i> (0.4-0.8) - <i>Range</i>	2.6 - <i>Typical Value</i> (1.8-3.6) - <i>Range</i>
Gurley Hill Porosity	TAPPI T460 ¹ ISO 5636-5 ³	sec/100 cc	22 - <i>Typical Value</i> (8-36) - <i>Range</i>	22 - <i>Typical Value</i> (8-36) - <i>Range</i>
OTHER PROPERTIES				
Microbial Barrier	ASTM F1608 ASTM F2638	LRV % pMAX		>5 <0.5
Bendtsen Air Permeability	ISO 5636-3	mL/min		513
Moisture Vapor Transmission Rate	TAPPI T523 ⁷	g/m ² /24 hr		>1600
Hydrostatic Head	AATCC TM 127 EN 20811 ⁸	in. H ₂ O - <i>English</i> cm H ₂ O - <i>Metric</i>	63	159
Tensile Strength, MD	ASTM D5035 ⁸ EN ISO 1924-2 ⁶	lbf/in. - <i>English</i> N/2.54 cm - <i>Metric</i>	44	221
Tensile Strength, CD	ASTM D5035 ⁸ EN ISO 1924-2 ⁸	lbf/in. - <i>English</i> N/2.54 cm - <i>Metric</i>	49	219
Elongation, MD	ASTM D5035 ⁶ EN ISO 1924-2 ⁶	%		20
Elongation, CD	ASTM D5035 ⁶ EN ISO 1924-2 ⁶	%		24
Elmendorf Tear, MD	ASTM D1424 EN 21974	lbf - <i>English</i> N - <i>Metric</i>	0.7	3.2
Elmendorf Tear, CD	ASTM D1424 EN 21974	lbf - <i>English</i> N - <i>Metric</i>	0.9	4.0

PROPERTY	TEST METHOD	UNITS	ENGLISH	METRIC
OTHER PROPERTIES – CONT'				
Mullen Burst	ASTM D774 ISO 2758	psi - <i>English</i> kPa - <i>Metric</i>	179	1234
Spencer Puncture	ASTM D3420 ⁷	in.-lb _f /in. ² - <i>English</i> J/m ² - <i>Metric</i>	59	10324
Opacity	TAPPI T425 ISO 2471 ⁸	%	92	
Thickness (Individual)*	ASTM D1777 ⁹ EN 20534 ¹⁰ EN ISO 534	mils - <i>English</i> µm - <i>Metric</i>	7.8	199
<p>NOTES: SPECIFICATIONS PROPERTIES - These include typical values as reported by DuPont™ as well as ranges defined by DuPont™ as acceptance criteria.</p> <p>OTHER PROPERTIES - 1073B Transition Protocol typical values represent data across different line and polymer combinations from a limited number of manufacturing campaigns. Values will be refreshed, as necessary, upon data collection from additional campaigns and long-term variability discernment. Miscellaneous properties represent typical values based on roll averages, except for thickness (individual), with samples taken uniformly across the sheet. Thickness (individual) typical values are based on a population of pooled individual data points from multiple rolls. Miscellaneous properties are not controlled in the process, and therefore, are subject to slight changes from "normal" process drift. Customers must conduct their own tests to ensure suitability for the intended application. These properties are representative for uncoated Tyvek® as sold by DuPont. Any downstream operations, such as coatings applied by sterile packaging manufacturers (SPMs), may change these values.</p> <p>*Thickness variability target is equal to, or less than, incumbent products.</p> <p>MD = machine direction; CD = cross direction; LRV = log reduction value.</p>			<ol style="list-style-type: none"> 1. Modified sample size. 2. Modified for speed and gauge length. 3. Modified for sealing fluid characteristics 4. Test conditions: 23°C, 85% RH. 5. Rate of use: 60 cm H₂O/min. 6. Modified for speed and gauge length. 7. Modified for 9/ 16-in. (14.28-mm) probe. 8. Modified for different backing standards, area and illumination. 9. 7.15 psi, 0.625-in. diameter presser foot. 10. Surface 2 cm², pressure 14.5 psi (100 kPa). 	

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.