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## TY1073-Tyvek® Spunbonded Polyolefin 1073B Material Information Sheet

<b>Material</b>	Tyvek® Spunbonded Polyolefin 1073B	<b>Item #</b>	TY1073
<b>Product Description</b>	A Tyvek® product suitable for sealing to a variety of polymeric materials, providing required peel characteristics.		
<b>FDA Status</b>	All components of this product comply with the FDA regulations for materials used in food packaging. DMF & MAF numbers available for FDA reference upon request		
<b>Material Characteristics</b>	TY1073B is a breather barrier for sterile packaging applications, with excellent strength, breatheability, sealability, and peelability.		
<b>Typical Applications</b>	Peelable Medical Device Packaging		
<b>Physical Properties (Typical Values)</b>			
<b>Characteristic</b>	<b>Test Method</b>	<b>Units</b>	<b>Typical Values</b>
<b>Total Basis Weight</b>	ASTM D3776	oz. / yd <sup>2</sup>	2.20
<b>Thickness Range</b>	ASTM D1777	Mils	3.5 – 11.1
<b>Delamination</b>	ASTM D2724	lb. / in.	0.5 – 0.6
<b>Gurley Hill - Porosity</b>	TAPPI T460	sec / 100 cc	22
<b>Bendtsen Air Permeability</b>	ISO 5636-3	mL / min.	513 - 572
<b>Microbial Barrier</b>	ASTM F1608	LRV %pMax	>5
<b>Moisture Vapor Transmission Rate</b>	TAPPI T523	g / m <sup>2</sup> / 24 hr.	1600 - 1615
<b>Hydrostatic Head</b>	AATCC TM 127	in. H <sub>2</sub> O	58 - 63
<b>Tensile Strength (MD)</b>	ASTM D5035	lb. / in.	44 - 50
<b>Tensile Strength (TD)</b>	ASTM D5035	lb. / in.	45 - 49
<b>Elongation (MD)</b>	ASTM D5035	%	20
<b>Elongation (TD)</b>	ASTM D5035	%	24
<b>Elmendorf Tear (MD)</b>	ASTM D1424	lb.	0.7
<b>Elmendorf Tear (TD)</b>	ASTM D1424	lb.	0.8 – 0.9
<b>Mullen Burst</b>	ASTM D774	Psi	176 - 179
<b>Spencer Puncture</b>	ASTM D3420	in.lb. / in <sup>2</sup>	50 - 59
<b>Opacity</b>	TAPPI T425	%	91 - 92

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.

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