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Tyvek® Spunbonded Polyolefin 1059B Material Information Sheet

Material	Tyvek® Spunbonded Polyolefin 1059B	PeelMaster Item #	TY1059
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 the FDA regulations for materials used in food packaging. DMF & MAF numbers available for FDA reference upon request.		
Material Characteristics	TY1059B is a breather barrier for sterile packaging applications, with excellent strength, breatheability, sealability, and peelability.	Typical Applications	Typical medical packaging

Physical Properties (Typical Values)

Characteristic	Test Method	Units	Typical Values
Total basis weight	ASTM D3776	oz./yd ²	1.90
Thickness Range	ASTM D1777	mils	2.9 - 10.1
Delamination	ASTM D2724	lb./in.	0.5 - 0.6
Gurley Hill - Porosity	TAPPI T460	sec/100 cc	20 - 22
Bendtsen Air Permeability	ISO 5636-3	mL/min.	557 - 671
Microbial Barrier	ASTM F1608	Log Reduction Value (LRV)	>4
Bendtsen Air Permeability	ISO 5636-3	mL/min.	557 - 671
Hydrostatic Head	AATCC TM 127	in. H ₂ O	57 - 62
Tensile Strength (MD)	ASTM D5035	lb./in.	38 - 43
Tensile Strength (TD)	ASTM D5035	lb./in.	38 - 42
Elongation (MD)	ASTM D5035	%	19
Elongation (TD)	ASTM D5035	%	23
Elmendorf Tear (MD)	ASTM D1424	lb.	0.6 - 0.7
Elmendorf Tear (TD)	ASTM D1424	lb.	0.7 - 0.8
Mullen Burst	ASTM D774	psi	150 - 153
Spencer Puncture	ASTM D3420	In.-lb./in ²	39 - 44
Opacity	TAPPI T425	%	89 - 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.

Tyvek® is a registered trademark of DuPont.