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Coated Tyvek 1059B Material Information Sheet

Material	Heat-Seal Coated Tyvek® 1059B	PeelMaster Item #	CT1059
Product Description	Heat-Seal Coated DuPont Tyvek® 1059B		
FDA Status	FDA-approved for food contact and sterile applications		
Material Characteristics	CT1059 is a breather barrier for sterile packaging applications, with excellent strength, breatheability, sealability, and peelability. Coating gives visual evidence of seal continuity upon peeling.	Typical Applications	Sterile tray lids and form-fill-seal lidding roll stock.
Physical Properties (Typical Values)			
Characteristic	Test Method	Units	Typical Values
Substrate basis weight	ASTM D3776	lb. per 24"x36" ream (lb./3000 ft ²)	39.6
Adhesive coat weight	ASTM F2217	lb. per 24"x36" ream (lb./3000 ft ²)	6.8 to 7.0
Total basis weight	N/A	lb. per 24"x36" ream (lb./3000 ft ²)	46.3 to 46.7
Material Yield	TAPPI T410	in ² /lb.	9,250
Tensile Strength (MD)	ASTM D5035 or ASTM D882	lb./in	37 to 38
Tensile Strength (CD)	ASTM D5035 or ASTM D882	lb./in	38 to 39
Elongation (MD)	ASTM D882	%	23
Elongation (CD)	ASTM D882	%	26
Elmendorf tear (MD)	ASTM D1424 or ASTM D1922	lb.	0.6 to 0.62
Elmendorf tear (CD)	ASTM D1424 or ASTM D1922	lb.	0.57 to 0.7
Mullen Burst	ASTM D774	psi	153
Porosity-Gurley	TAPPI T460 or ISO 5636	sec	<84
Porosity-Bendtsen*	ISO 5636	ml/min	>152
Typical Sealing Range	Sealing process parameters will depend greatly on specific application, equipment, etc. Typical ranges might include: 220-260 F, 1.0-2.0 sec, 40-60 psi		

*Calculated value

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.