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## CT1059 - Coated Tyvek® 1059B Material Information Sheet

<b>Material</b>	Heat-Seal Coated Tyvek® 1059B	<b>Item #</b>	CT1059
<b>Product Description</b>	Heat-Seal Coated DuPont Tyvek® 1059B		
<b>FDA Status</b>	FDA-approved for food contact and sterile applications.		
<b>Material Characteristics</b>	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.		
<b>Typical Applications</b>	Sterile tray lids and form-fill-seal lidding roll stock.		
<b>Physical Properties (Typical Values)</b>			
<b>Characteristic</b>	<b>Test Method</b>	<b>Units</b>	<b>Typical Values</b>
<b>Substrate basis weight</b>	ASTM D3776	lb. per 24"x36" ream (lb./3000 ft <sup>2</sup> )	39.6
<b>Adhesive coat weight</b>	ASTM F2217	lb. per 24"x36" ream (lb./3000 ft <sup>2</sup> )	6.8 to 7.0
<b>Total basis weight</b>	N/A	lb. per 24"x36" ream (lb./3000 ft <sup>2</sup> )	46.3 to 46.7
<b>Material Yield</b>	TAPPI T410	in <sup>2</sup> /lb.	9,250
<b>Tensile Strength (MD)</b>	ASTM D5035 or ASTM D882	lb./in	37 to 38
<b>Tensile Strength (CD)</b>	ASTM D5035 or ASTM D882	lb./in	38 to 39
<b>Elongation (MD)</b>	ASTM D882	%	23
<b>Elongation (CD)</b>	ASTM D882	%	26
<b>Elmendorf tear (MD)</b>	ASTM D1424 or ASTM D1922	lb.	0.6 to 0.62
<b>Elmendorf tear (CD)</b>	ASTM D1424 or ASTM D1922	lb.	0.57 to 0.7
<b>Mullen Burst</b>	ASTM D774	psi	153
<b>Porosity-Gurley</b>	TAPPI T460 or ISO 5636	sec	<84
<b>Porosity-Bendtsen*</b>	ISO 5636	ml/min	>152
<b>Typical Sealing Range</b>	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.