

Technical Properties of Tyvek® Brillion® Styles

Property	Unit	Style 4158D for self-adhesive only Range ⁽¹⁾	Style 4173D Range ⁽¹⁾	Style 4182D Range ⁽¹⁾	Test Method
Basis Weight	g/m ²	55.0 53.0-60.0	77 72-82	109 104-114	DIN EN ISO 536 ⁽²⁾
Thickness	µm	125 80-165	155 110-200	210 160-255	DIN EN 20534 ⁽⁴⁾
Tensile MD⁽³⁾	N/2.54 cm	140 115-170	200 170-230	285 250-330	DIN EN ISO 1924-2 ⁽⁵⁾
Tensile XD⁽³⁾	N/2.54 cm	140 110-160	200 170-240	320 285-360	DIN EN ISO 1924-2 ⁽⁵⁾
Elongation at Break MD⁽³⁾	%	16-25	16-30	20-35	DIN EN ISO 1924-2 ⁽⁵⁾
Elongation at Break XD⁽³⁾	%	15-30	20-36	25-35	DIN EN ISO 1924-2 ⁽⁵⁾
Tear Elmendorf MD⁽³⁾	N	2.7 1.4-4.0	3.5 2.4-4.7	4.5 2.5-6.5	DIN EN 21974
Tear Elmendorf XD⁽³⁾	N	3.4 2.3-4.6	4.0 3.2-4.7	5.0 3.0-6.5	DIN EN 21974
Opacity⁽⁶⁾	%	94.0 92.0-97.0	98.0 95.0-99.0	98.0 96.0-99.0	ISO 2471 ⁽⁷⁾
Delamination (MD)	N/2.54 cm	2.0 1.5-2.6	2.0 1.5-2.5	2.1 1.5-2.8	ASTM D2724-87 ⁽⁸⁾
Burst Strength	kPa	800 600-1000	1100 850-1300	1600 1400-1850	ISO 2758
Treatment⁽⁹⁾					
Calandered		Yes	Yes	Yes	
Corona		Yes	Yes	Yes	
Antistat		Yes	Yes	Yes	

- (1) Ranges are estimates only for 99.7% of the product based upon roll average standard deviation except thickness ranges which are based on individual specimens
 (2) Sample size 100 cm²
 (3) MD is Machine Direction, XD is Cross Direction
 (4) Surface 2 cm², pressure 100 kPa

- (5) Modified for speed and length
 (6) 100% is opaque
 (7) Modified for different backing standards
 (8) Modified for speed and gauge length
 (9) Treatments where indicated are applied on both sides

Product safety information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liabilities in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.



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