

Technical Properties of Tyvek® Classic Styles

Property	Unit	Style 1025D	Style 1057D	Style 1058D for self-adhesive only	Style 1073D	Style 1082D	Style 3082D Yellow Tyvek®	Test Method
		Range ⁽¹⁾	Range ⁽¹⁾	Range ⁽¹⁾	Range ⁽¹⁾	Range ⁽¹⁾	Range ⁽¹⁾	
Basis Weight	g/m ²	42.5 40.5-45.0	55 53.0-58.0	55 53.0-58.0	75.0 72.0-79.0	105.0 102.0-109.0	105.0 102.0-109.0	DIN EN ISO 536 ⁽²⁾
Thickness	µm	140 80-200	160 100-230	150 95-215	205 145-275	275 190-350	275 190-350	DIN EN 20534 ⁽⁴⁾
Tensile MD ⁽³⁾	N/2.54 cm	94 80-110	140 120-160	150 130-170	205 185-225	290 260-320	290 260-320	DIN EN ISO 1924-2 ⁽⁵⁾
Tensile XD ⁽³⁾	N/2.54 cm	90 70-105	145 120-170	150 130-170	215 190-245	330 290-370	330 290-370	DIN EN ISO 1924-2 ⁽⁵⁾
Elongation at Break MD ⁽³⁾	%	11-21	14-30	17-27	15.5-20.5	18-35	18-35	DIN EN ISO 1924-2 ⁽⁵⁾
Elongation at Break XD ⁽³⁾	%	15-25	15-30	19-30	18-24	20-35	20-35	DIN EN ISO 1924-2 ⁽⁵⁾
Tear Elmendorf MD ⁽³⁾	N	6.0 3.5-8.5	4.8 3.4-6.2	3.5 2.5-4.5	5.9 4.2-7.6	8.0 5.0-11.0	8.0 5.0-11.0	DIN EN 21974
Tear Elmendorf XD ⁽³⁾	N	5.7 4.0-7.5	5.0 3.8-6.3	4.0 3.2-5.0	5.9 4.7-7.1	7.3 5.0-10.0	7.3 5.0-10.0	DIN EN 21974
Opacity ⁽⁶⁾	%	96.0 93.5-98.0	96.0 94.0-98.0	92.9 89.0-94.3	97.0 95.5-98.5	98.4 97.4-99.4	98.4 97.4-99.4	ISO 2471 ⁽⁷⁾
Delamination (MD)	N/2.54 cm	1.0 0.7-1.4	1.6 1.2-2.0	2.2 1.7-2.6	1.75 1.25-2.25	1.7 1.2-2.2	1.7 1.2-2.2	ASTM D2724-87 ⁽⁸⁾
Burst Strength	kPA	550 400-700	830 700-940	900 770-1050	1200 1050-1350	1700 1450-1950	1700 1450-1950	ISO 2758
Treatment ⁽⁹⁾								
Corona		Yes	Yes	Yes	Yes	Yes	Yes	
Antistat		Yes	Yes	Yes	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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