

# DuPont™ Tyvek® Graphics

## Typical Properties of Tyvek® style 10

Property	Unit	1025D Range <sup>(1)</sup>	1057D Range <sup>(1)</sup>	1073D Range <sup>(1)</sup>	1082D Range <sup>(1)</sup>	Test Method
- Basis Weight	g / m <sup>2</sup>	42.5 40.5 - 45.0	55.0 53.0 - 58.0	75.0 72.0 - 78.0	105.0 101.5 - 108.5	ISO 536 <sup>(2)</sup>
- Thickness	µm	140 80 - 200	160 100 - 230	205 135 - 275	270 190 - 350	EN 20534 <sup>(4)</sup>
- Tensile MD <sup>(3)</sup>	N / 2.54 cm	94 80 - 110	140 120 - 160	205 185 - 225	290 260 - 320	EN ISO 1924-2 <sup>(5)</sup>
- Tensile XD <sup>(3)</sup>	N / 2.54 cm	90 70 - 105	145 120 - 170	215 190 - 240	325 290 - 360	EN ISO 1924-2 <sup>(5)</sup>
- Elongation at Break MD <sup>(3)</sup>	%	11 - 21	14 - 30	14 - 21	16 - 23	EN ISO 1924-2 <sup>(5)</sup>
- Elongation at Break XD <sup>(3)</sup>	%	15 - 25	15 - 30	17 - 24	18 - 26	EN ISO 1924-2 <sup>(5)</sup>
- Tear Elmendorf MD <sup>(3)</sup>	N	6.0 3.5 - 8.5	4.8 3.4 - 6.2	5.5 3.8 - 7.5	7.7 5.2 - 10.2	EN 21974
- Tear Elmendorf XD <sup>(3)</sup>	N	5.7 4.0 - 7.5	5.0 3.8 - 6.3	5.7 4.5 - 7.0	7.3 5.5 - 9.0	EN 21974
- Opacity <sup>(6)</sup>	%	96.0 93.5 - 98.0	96.0 94.0 - 98.0	97.0 96.0 - 98.0	98.4 97.4 - 99.4	ISO 2471 <sup>(7)</sup>
- Gurley Porosity	s	11 2 - 20	22 2 - 42	- -	- -	ISO 5636/5
- Internal Bonding	N / 2.54 cm	1.0 0.7 - 1.4	1.6 1.2 - 2.0	1.75 1.3 - 2.2	1.7 1.2 - 2.2	ASTM D 2724-87 <sup>(8)</sup>
- Traitement <sup>(9)</sup>						
Corona		yes	yes	yes	yes	
Antistat		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 cm<sup>2</sup>

(3) MD is Machine Direction, XD is Cross Direction

(4) Surface 2 cm<sup>2</sup>, 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



HDPE

**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 experiments. 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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