

TYVEK® STYLES

↓Property, Units		1025BL	1025D	1056D	1058D	1059B	1073B	1073D	1079	1085D	1422A	1422R	1443R	1622E	1673	8740D
? Basis Weight, oz/yd ²		1.25*	1.25*	1.60*	1.60*	1.90*	2.20*	2.20*	2.85*	3.20*	1.20*	1.20*	1.25*	1.30*	2.10*	2.00*
? Thickness, mils	Average +/- 4 Sigma Range	5.3 1.9 - 9.3	5.0 1.5 - 8.6	6.3 2.1 - 10.6	5.6 1.9 - 9.3	6.5 2.9 - 10.1	7.3 3.5 - 11.1	7.5 3.4 - 11.7	7.9 4.5 - 11.3	10.3 5.7 - 14.9	5.4 4.4 - 6.3	5.4 4.3 - 6.4	5.3 4.3 - 6.2	9.1 8.4 - 9.9	9.1 8.4 - 9.9	7.5 6.1 - 8.8
? Tensile Strength	MD, lb/in.	22.5	20.4	24.2	30.2	36.6	43.4	41.7	62.9	65.1	7.9*	7.5*	9.0*	13.0*	13.0*	34.8
	CD, lb/in.	22.5	22.5	27.9	33.5	39.2	46.8	47.1	68.0	72.0	8.7	8.4	11.0	15.4	15.4	38.3
? Elongation	MD, %	14	14	15	18	21	22	20	22	23	n/a	n/a	n/a	n/a	n/a	18
	CD, %	18	19	20	22	26	26	24	28	27	n/a	n/a	n/a	n/a	n/a	23
? Elmendorf Tear	MD, lb	1.12	0.84	1.3	0.65	0.67	0.77	1.0	0.72	1.11	n/a	n/a	n/a	n/a	n/a	1.08
	CD, lb	1.24	0.82	1.2	0.68	0.72	0.79	0.9	0.80	1.03	n/a	n/a	n/a	n/a	n/a	1.04
? Tongue Tear	MD, lb	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.2	2.1	2.2	3.6	3.6	n/a
	CD, lb	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.3	2.2	2.2	3.9	3.9	n/a
? Opacity, %		95	95	98	91	91	92	95	93	97	n/a	n/a	n/a	n/a	n/a	97.6
? Delamination, lb/in.		0.32*	0.28*	0.25*	0.42*	0.50*	0.52*	0.42*	0.72*	0.50*	0.08*	0.08*	0.10*	0.09*	0.09	0.29*
? Mullen Burst, psi		94	86	n/a	125	153	178	n/a	245	260	50	49	52	48	79	n/a
? Hydrostatic Head, in. H ₂ O		53	<15	<15	<15	56	59	<15	<15	<15	40*	n/a	n/a	n/a	n/a	n/a
? Frazier Permeability, cfm/ft ²		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	38*	30*	n/a
? Gurley Hill Porosity, seconds/100c		12	32	21	30	22*	22*	24	47	36	19	30	69	n/a	n/a	20

? MVTR, g/m ² /day	1720	n/a	n/a	n/a	1640	1615	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
? Treatment, Corona															
? Treatment, Antistat															
? Additional Processing								Embossed					Perforated	Perforated	n/a
Meets U.S. Food & Drug Admin. (FDA) requirements for direct food contact applications**															

NOTES:

*: Specification Property (controlled to aim and released within specs)

** : In general, these styles can be used in direct food contact applications where the temperatures do not exceed 150°F (66°C), and with some types of foods, the temperatures may reach 212°F (100°C). Please [contact us](#) if you require more information.

***: A modified version of this style is used in this application. Please click on the application link above for more information.

- Click on the question mark next to property name to see the description of the property, the test method used to calculate it, and any special test conditions/apparatus.
- Click on an application for more information, e.g., description, how to buy.
- All properties are **typical** values based on roll average except for thickness, which is based on individual test results; conduct your own tests to ensure consistency.
- MD is Machine Direction / CD is Cross Direction.
- "Type 10" styles have a smooth, stiff, paper-like sheet structure, ideal for top-quality printing and packaging. "Type 14" styles have a softer, fabric-like sheet structure suitable for sewn bags and many specialty applications. "Type 16" styles have a perforated, soft, drapable sheet structure with high air permeability, ideal for a wide variety of bagging and packaging applications.
- For all styles with antistat, the log of the **electrical resistivity** has a **maximum** roll average of

9.8 ohms/square (at 55% relative humidity, smooth and rough side).

- [Click here](#) for an Adobe Acrobat version of the Material Safety Data Sheet for Tyvek® (one sheet for all styles). If necessary, download [Adobe Acrobat Reader](#) freeware.
- [Contact us](#) to request Product Specification sheets for individual styles and/or to verify that the properties listed above meet your specific application.

If you are interested in medical packaging applications with Tyvek®,
please [click here](#) to go to the Medical Packaging home page.

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