

DUPONT™ TYVEK® 1056D AND TYVEK® 1056DR SPECIFICATION PROPERTIES

Table I. Specification properties of DuPont™ Tyvek® (Metric units)

Property	Comparable Test Method	Units	Tyvek® 1056D	Tyvek® 1056DR
Basis Weight	ASTM D3776 ¹ EN ISO 536 ¹	g/m ²	54.3 [51.9–56.6]	54.3 [51.9–56.6]
Delamination	ASTM D2724 ²	N/2.54 cm	1.33 [0.62–1.87]	1.33 [0.62–1.87]
Log R (at 55% RH) Smooth & Rough Side	ASTM D257 ³	–	9.8	9.8

Notes: Specification properties are controlled to aim and released within specifications. The customer is responsible for determining that Tyvek® is suitable for the intended application. The ranges represent the controlled minimum and maximum values in which the product is released. Specification properties are typical values based on roll averages, with samples taken uniformly across the sheet.

1. Modified sample size.
2. Modified for speed and gauge length.
3. Electrodes 0.75 in², 0.5 inches apart on the same side of sheet.

Table II. Specification properties of DuPont™ Tyvek® (English units)

Property	Comparable Test Method	Units	Tyvek® 1056D	Tyvek® 1056DR
Basis Weight	ASTM D3776 ¹ EN ISO 536 ¹	oz/yd ²	1.60 [1.53–1.67]	1.60 [1.53–1.67]
Delamination	ASTM D2724 ²	lb _f /in	0.30 [0.14–0.42]	0.30 [0.14–0.42]
Log R (at 55% RH) Smooth & Rough Side	ASTM D257 ³	–	9.8	9.8

Notes: Specification properties are controlled to aim and released within specifications. The customer is responsible for determining that Tyvek® is suitable for the intended application. The ranges represent the controlled minimum and maximum values in which the product is released. Specification properties are typical values based on roll averages, with samples taken uniformly across the sheet.

1. Modified sample size.
2. Modified for speed and gauge length.
3. Electrodes 0.75 in², 0.5 inches apart on the same side of sheet.

For more information about DuPont™ Tyvek®, call us today at 1.800.44.TYVEK

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DUPONT™ TYVEK® 1056D AND TYVEK® 1056DR

MISCELLANEOUS PROPERTIES – ENGLISH UNITS

Table I. Miscellaneous properties of DuPont™ Tyvek® (English units)

Property	Comparable Test Method	Units	Typical Values Tyvek® 1056D	Expected Values Tyvek® 1056DR
Tensile Strength, MD	ASTM D5035 ¹ EN ISO 1924-2 ¹	lb _f /in	24.2	24.2
Tensile Strength, CD	ASTM D5035 ¹ EN ISO 1924-2 ¹	lb _f /in	27.9	27.9
Elmendorf Tear, MD	ASTM D1424 EN 21974	lb	1.14	1.14
Elmendorf Tear, CD	ASTM D1424 EN 21974	lb	1.06	1.06
Mullen Burst	ASTM D774 ISO 2758	psi	109	109
Opacity	TAPPI T425 ISO 2471 ²	%	97	97
Thickness (Individual)*	ASTM D1777 ³ EN 20534 ⁴ EN ISO 534	mils	6.3	6.3

Notes: Miscellaneous properties represent typical values based on roll averages, except for thickness (individual), with samples taken uniformly across the sheet. Thickness (individual) typical values are based on a population of pooled individual data points from multiple rolls. Miscellaneous properties are not controlled in the process, and therefore, are subject to slight changes from “normal” process drift. Customers must conduct their own tests to ensure suitability for the intended application. MD = machine direction; CD = cross direction.

These are preliminary values and are believed to be reliable based on a limited number of development production runs.

*Thickness variability target is equal to, or less than, incumbent products.

1. Modified for speed and gauge length.
2. Modified for different backing standards, area and illumination.
3. 7.15 psi, 0.625-in. diameter presser foot.
4. Surface 2 cm², pressure 14.5 psi (100 kPa).

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DUPONT™ TYVEK® 1056D AND TYVEK® 1056DR

MISCELLANEOUS PROPERTIES – METRIC UNITS

Table I. Miscellaneous properties of DuPont™ Tyvek® (Metric units)

Property	Comparable Test Method	Units	Typical Values Tyvek® 1056D	Expected Values Tyvek® 1056DR
Tensile Strength, MD	ASTM D5035 ¹ EN ISO 1924-2 ¹	N/2.54 cm	108	108
Tensile Strength, CD	ASTM D5035 ¹ EN ISO 1924-2 ¹	N/2.54 cm	124	124
Elmendorf Tear, MD	ASTM D1424 EN 21974	mN	4717	4717
Elmendorf Tear, CD	ASTM D1424 EN 21974	mN	5073	5073
Mullen Burst	ASTM D774 ISO 2758	kPa	752	752
Opacity	TAPPI T425 ISO 2471 ²	%	97	97
Thickness (Individual)*	ASTM D1777 ³ EN 20534 ⁴ EN ISO 534	µm	160	160

Notes: Miscellaneous properties represent typical values based on roll averages, except for thickness (individual), with samples taken uniformly across the sheet. Thickness (individual) typical values are based on a population of pooled individual data points from multiple rolls. Miscellaneous properties are not controlled in the process, and therefore, are subject to slight changes from “normal” process drift. Customers must conduct their own tests to ensure suitability for the intended application. MD = machine direction; CD = cross direction.

These are preliminary values and are believed to be reliable based on a limited number of development production runs.

*Thickness variability target is equal to, or less than, incumbent products.

1. Modified for speed and gauge length.
2. Modified for different backing standards, area and illumination.
3. 7.15 psi, 0.625-in. diameter presser foot.
4. Surface 2 cm², pressure 14.5 psi (100 kPa).

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