

DuPont™ Tyvek® 1085D

Product Properties—Metric Units

Product Features:
Antistatic Treatment
Corona Treated

Specification Properties (Metric Units)

Property	Comparable Test Method	Units	Tyvek® 1085D
Basis Weight	ASTM D3776	g/m ²	108.5 [104.1–116.0]
Delamination	ASTM 2724 ¹	N/2.54 cm	2.2 [1.3–3.3]

Notes: Specification properties are based on roll averages from samples taken uniformly across the sheet. Specification properties are controlled to a nominal value and released within specification; the ranges listed represent the controlled minimum and maximum values in which the product is released. The customer is responsible for determining that Tyvek® is suitable for the intended application.

1. Modified for speed and sample width.

Miscellaneous Properties (Metric Units)

Property	Comparable Test Method	Units	Tyvek® 1085D
Thickness	ASTM D1777 ¹ EN ISO 534 ¹	µm	267
Opacity	TAPPI T425 ² ISO 2471 ²	%	96
Elmendorf Tear, MD	ASTM D1424	N	5.4
Elmendorf Tear, CD	ASTM D1424	N	5.0
Tensile Strength, MD	ASTM D5035 ³ EN ISO 1924 ³	N/2.54 cm	285
Tensile Strength, CD	ASTM D5035 ³ EN ISO 1924 ³	N/2.54 cm	320

Notes: Miscellaneous properties are typical values based on roll averages from samples taken uniformly across the sheet. Miscellaneous properties are not controlled in the process; therefore, they are subject to slight change from normal process drift.

MD = machine direction; CD = cross direction.

1. Area = 2 cm²; pressure = 50 kPa

2. Modified for different backing standards, area, and illumination.

3. Modified for speed, sample width, and gauge length.

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DuPont™ Tyvek® 1085D

Product Properties—English Units

Product Features:
Antistatic Treatment
Corona Treated

Specification Properties (English Units)

Property	Comparable Test Method	Units	Tyvek® 1085D
Basis Weight	ASTM D3776	oz/yd ²	3.20 [3.07–3.42]
Delamination	ASTM 2724 ¹	lb _f /inch	0.5 [0.3–0.8]

Notes: Specification properties are based on roll averages from samples taken uniformly across the sheet. Specification properties are controlled to a nominal value and released within specification; the ranges listed represent the controlled minimum and maximum values in which the product is released. The customer is responsible for determining that Tyvek® is suitable for the intended application.

1. Modified for speed and sample width.

Miscellaneous Properties (English Units)

Property	Comparable Test Method	Units	Tyvek® 1085D
Thickness	ASTM D1777 ¹ EN ISO 534 ¹	mils	10.5
Opacity	TAPPI T425 ² ISO 2471 ²	%	96
Elmendorf Tear, MD	ASTM D1424	lb _f	1.2
Elmendorf Tear, CD	ASTM D1424	lb _f	1.1
Tensile Strength, MD	ASTM D5035 ³ EN ISO 1924 ³	lb _f /inch	64
Tensile Strength, CD	ASTM D5035 ³ EN ISO 1924 ³	lb _f /inch	72

Notes: Miscellaneous properties are typical values based on roll averages from samples taken uniformly across the sheet. Miscellaneous properties are not controlled in the process; therefore, they are subject to slight change from normal process drift.

MD = machine direction; CD = cross direction.

1. Area = 0.625 in²; pressure = 7.15 psi
2. Modified for different backing standards, area, and illumination.
3. Modified for speed, sample width, and gauge length.

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