DUPONT™ TYVEK® FOR MEDICAL AND PHARMACEUTICAL PACKAGING SPECIFICATION PROPERTIES

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

Property	Comparable Test Method	Units	Tyvek® 1073B	Tyvek® Asuron™	Tyvek® 1059B	Tyvek® 2FS™
Basis Weight	ASTM D3776[1] EN ISO 536[1]	(g/m^2)	74.6 [71.2–78.0]	67.5 [64.5–70.5]	64.4 [61.7–67.1]	59.5 [56.5–62.5]
Delamination	ASTM D2724[2]	(N/2.54 cm)	2.3 [1.6–3.1]	2.4 [2.0–2.9]	2.2 [1.5–2.9]	2.7 [2.1–3.3]
Gurley Hill Porosity	TAPPI T460[1] ISO 5636-5[3]	sec/100 cc	22 [8–36]	26 [16–40]	20 [8–36]	22 [9–35]

Notes: Specification properties are controlled to a nominal value 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. These properties are representative for uncoated Tyvek® as sold by DuPont. Any downstream operations, such as coatings applied by sterile packaging manufacturers (SPMs), may change these values.

1. Modified sample size.
2. Modified for speed and gauge length.
3. Modified for sealing fluid characteristics.

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

Property	Comparable Test Method	Units	Tyvek® 1073B	Tyvek® Asuron™	Tyvek® 1059B	Tyvek® 2FS™
Basis Weight	ASTM D3776[1] EN ISO 536[1]	oz/yd^2	2.20 [2.10–2.30]	1.99 [1.90–2.08]	1.90 [1.82–1.98]	1.76 [1.67–1.84]
Delamination	ASTM D2724[2]	$lb_f/in.$	0.5 [0.4–0.7]	0.5 [0.4–0.6]	0.5 [0.3–0.7]	0.6 [0.5–0.7]
Gurley Hill Porosity	TAPPI T460[1] ISO 5636-5[3]	sec/100 cc	22 [8–36]	26 [16–40]	20 [8–36]	22 [9–35]

Notes: Specification properties are controlled to a nominal value 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. These properties are representative for uncoated Tyvek® as sold by DuPont. Any downstream operations, such as coatings applied by sterile packaging manufacturers (SPMs), may change these values.

1. Modified sample size.
2. Modified for speed and gauge length.
3. Modified for sealing fluid characteristics.

For more information about DuPont™ Tyvek® for medical and pharmaceutical packaging and to find out how we can help you with packaging and regulatory compliance, call us today at 1.800.44.TYVEK or visit us at www.MedicalPackaging.DuPont.com.

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