

DEVELOPMENTAL PRODUCT SPECIFICATION
DuPont Nonwovens

Features: ANSI B or better _____ Product: Tyvek® Spunbonded Olefin
barcode _____ Style: 4173DR Basis Weight: 2.20 oz/yd²
Customer Delivery Unit: Roll Customer-Use/End-Use: Tags, Labels, & Barcodes
Product Unit: Mill Roll Use Exception:
Effective Date: June 2007 Next Review Date: June 2011 Merge: 78912 / 99999

<u>Specification Properties</u>	<u>99.994% Range (Roll Ave.)</u>						<u>Test Method</u>	
	-----US Units-----			-International Units-			<u>DuPont</u>	<u>Comparable ASTM Std.</u>
	<u>Aim</u>	<u>Low</u>	<u>High</u>	<u>Aim</u>	<u>Low</u>	<u>High</u>		
Unit Weight US – oz/yd ² Int'l – g/m ²	2.20	2.12	2.28	74.6	71.9	77.3	0010	D3776 DIN EN ISO 536 ¹
Delamination US – lb/in Int'l – N/2.54cm	0.54	0.35	0.73	2.40	1.56	3.25	0005	D2724
Log R (at 55% RH) Smooth & rough side	N/A	-	9.8	N/A	-	9.8	0025	D257 ²

All properties are typical values based on roll averages, with samples taken uniformly across the sheet. Specification properties are controlled to aim and released within specifications. The customer is responsible for determining that Tyvek® is suitable for the intended application.

Notes:

- ¹ Modified for sample size.
² Electrodes 0.75 in², 0.5 in apart on same side of the sheet

Tyvek® is a registered trademark for DuPont's brand of protective material.
Only DuPont makes Tyvek®.

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The following data is supplied for information:

<u>Non-Specification Properties</u>	<u>99.994% Range (Roll Ave.)</u>						<u>Test Method</u>	
	<u>-----US Units-----</u>			<u>-International Units-</u>			<u>DuPont</u>	<u>Comparable ASTM Std.</u>
	<u>Aim</u>	<u>Low</u>	<u>High</u>	<u>Aim</u>	<u>Low</u>	<u>High</u>		
Opacity US - % Int'l - %	97.7	96.0	100.0	97.7	96.0	100.0	0020	TAPPI T-425 ISO 2471 ⁷
Thickness (Roll Ave.) US – mils Int'l - μm	7.9	6.2	9.5	201	157	241	0027	D1777 ³ DIN EN 20534 ⁸
Tensile (MD) US - lb/in Int'l – N/2.54cm	40.1	31.5	48.8	178	140	217	0041	D5035 ⁴ DIN EN ISO 1924-2 ⁴
Tensile (CD) US - lb/in Int'l – N/2.54cm	50.5	42.4	58.5	225	189	260	0041	D5035 ⁴ DIN EN ISO 1924-2 ⁴
Elmendorf Tear (MD) US - lb Int'l - mN	1.02	0.49	1.55	4539	2181	6898	0007	D1424 DIN EN 21974
Elmendorf Tear (CD) US – lb Int'l - mN	1.09	0.73	1.45	4851	3249	6453	0007	D1424 DIN EN 21974

All properties are typical values based on roll averages, with samples taken uniformly across the sheet.

Non-specification properties are monitored. The values shown for non-specification properties are typical but carry no warranty, expressed or implied. The customer is responsible for determining that Tyvek® is suitable for the intended application.

Notes:

³ 7.15 psi, 0.625 in diameter presser foot

⁴ Modified for speed and gauge length

⁷ Modified for different backing standards, area and illumination

⁸ Surface 2 cm², pressure 100 kPa