



D5-FILM35-1-White/Clear

D5-FILM35-1-White/Clear consists of a front sheet of 48 Gauge clear PET/2 Mil LLDPE, and a back sheet of Tyvek®. Both materials are widely used in the medical industry and recognized for the ability to remain stable in gamma and ethylene oxide sterilizations. Recommended storage conditions are at temperature between 60° and 70°F, with relative humidity 50% +/- 10%.

Applications Medical and pharmaceutical packaging

Specifications:

PET/LLDPE

Properties	Values	Units	ASTM Test
Thickness	2.5	Mil	F2251
Basis Weight	38.4	lb/3000 ft ²	D646
Yield	11,250	ln ² /lb	D4321
Tensile Strength	MD 7,291 CD 7,536	Psi	D882
Elongation	MD 188 CD 159	%	D882
Puncture Strength	6 12	lbf	F1306 Fed TM 2065
Haze	10	%	D1003
MVTR	0.9	g/100 in ² /24 hrs.	F372
O ₂ TR	5	cc/100 in ² /24 hrs.	D3985
Seal Strength to Tyvek®	.75-3.0	lb/in	F88



Tyvek®

Properties	Test Method	Units	Typical Values
Microbial Barrier	ASTM F1608	Log Reduction Value (LRV)	4.7
Bendtsen Air Permeability	ISO 5636-3	mL/min	671
Moisture Vapor Transmission Rate	TAPPI T523 ¹	g/m ² /24 hr.	1,640
Hydrostatic head	AATCC TM 127 EN 20811 ²	in. H ₂ O	57
Tensile Strength, MD	ASTM D5035 ³ EN ISO 1924-2 ³	lbf/in.	38
Tensile Strength, CD	ASTM D5035 ³ EN ISO 1924-2 ³	lbf/in.	38
Elongation, MD	ASTM D50353 EN ISO 1924-23	%	19
Elongation, CD	ASTM D50353 EN ISO 1924-23	%	23
Elmendorf tear, MD	ASTM D1424 EN 21974	lbf	0.6
Elmendorf tear, CD	ASTM D1424 EN 21974	lbf	0.7
Mullen Burst	ASTM D774 ISO 2758	psi	153
Spencer Puncture	ASTM D3420 ⁴	in.-lbf/in. ²	39
Opacity	TAPPI T425 ISO 2471 ⁵	%	89
Thickness (Individual)	ASTM D1777 ⁶ EN 20534 ⁷ EN ISO 534	mils	6.2

1. Test conditions: 23°C, 85% RH.
2. Rate of use: 60 cm H₂O/min.
3. Modified for speed and gauge length.
4. Modified for 9/16-in. (14.28-mm) probe.
5. Modified for different backing standards, area, and illumination.
6. 7.15 psi, 0.625-in. diameter presser foot.
7. Surface 2 cm², pressure 14.5 psi (100 kPa).

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