

# Honeywell Aclar® UltRx 3000

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Aclar® UltRx 3000 is a 3.00 mil (76 micron) PCTFE homopolymer, high performance barrier film for the pharmaceutical and medical markets. It thermoforms well on conventional blister pack-aging equipment and provides the best barrier of any clear film.

Properties of 3.00 mil (76μ) film at 73°F- 50% RH	Typical Value		Test Method
	English	Metric	
Specific Gravity	2.11		ASTM D1505
Yield	4,380 in <sup>2</sup> /lb.	6.23 m <sup>2</sup> /kg	
Haze	< 1 %		ASTM D1003
Crystalline Melting Point	412°F	211°C	ASTM D4591
Dimensional Stability -MD (10 mins. @ 300°F/149°C) - TD	≤ + 6 % < - 6 %		ASTM D1204
Tensile Strength - MD - TD	6,000 – 9,000 psi 4,000 – 7,000 psi	41 - 62 MPa 28 - 48 MPa	ASTM D882
Elongation - MD - TD	150 - 225 % 175 - 225 %		ASTM D882
Modulus, secant - MD - TD	160,000 - 200,000 psi 160,000 - 200,000 psi	1103 - 1379 MPa 1103 - 1379 MPa	ASTM D882
Surface Tension (treated side)	≥ 42 dynes/cm		ASTM D2578
Water Vapor Transmission Rate @ 77°F (25°C) / 60% RH @ 86°F (30°C) / 60% RH @ 104°F (40°C) / 75% RH @ 100°F (37.8°C) / 100% RH	gms/100in <sup>2</sup> /day 0.0008 0.0016 0.0040 0.0057	gms/m <sup>2</sup> /day 0.0124 0.0248 0.0620 0.0884	ASTM F1249

Aclar® is manufactured in accordance with industry accepted standards for cGMP. It complies with the following regulations and requirements: FDA 21 CFR 177.1380, USP Class VI Plastics, and EU Directive 2002/72/EC. Drug Master File #1578 has been established with the FDA for Aclar® Films. Please contact your Honeywell representative for additional information and detailed compliance statements.

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