

HONEYWELL ACLAR® UlTRx 4000

Aclar® UlTRx 4000 is a high transparent 4 mil (102 µm) PCTFE homopolymer ultra- high moisture barrier film designed for semi-rigid and flexible film packaging applications for highly sensitive medicinal products in pharmaceutical and medical markets. This film is suitable for thermoforming and lamination to various substrates including PVC and PVC free solutions, such as PET, PP, and PE substrates for environmentally friendly applications.

PROPERTIES OF 4.00 MIL (102µm) FILM AT 73°F (23°C) - 50% RH	TYPICAL VALUE		TEST METHOD	
	ENGLISH	METRIC		
Specific Gravity		2.11 g/cm ³	ASTM D1505	
Yield	3,285 in ² /lb.	4.67 m ² /kg		
Haze	< 1 %		ASTM D1003	
Crystalline Melting Point	412°F	211°C	ASTM D4591	
Dimensional Stability (10 mins. @ 300°F/149°C)	- MD - TD	≤ + 9 % < - 7 %	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	
Oxygen Transmission Rate @ 73.4°F (23°C) / 50% RH		cc/100in ² dbar 1.20	cc/m ² dbar 18.60	ASTM F1927-20
Water Vapor Transmission Rate @ 77°F (25°C) / 60% RH @ 86°F (30°C) / 65% RH @ 104°F (40°C) / 75% RH @ 100°F (37.8°C) / 100% RH		g/100in ² d 0.0006 0.0009 0.0031 0.0042	g/m ² d 0.009 0.015 0.048 0.065	ASTM F1249

Please refer to the Honeywell Regulatory Clearance Certificate (RCC) for compliance status.



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For more information:

To learn more about Honeywell Aclar Film, visit advancedmaterials.honeywell.com or contact your Honeywell account manager.

Honeywell

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