

HONEYWELL ACLAR[®] Rx20e

Aclar[®] Rx 20e is a high transparent 0.8 mil (20 µm) PCTFE homopolymer medium-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 0.80 MIL (20µm) FILM AT 73°F (23°C) - 50% RH	TYPICAL VALUE		TEST METHOD
	ENGLISH	METRIC	
Specific Gravity		2.11 g/cm ³	ASTM D1505
Yield	16,420 in ² /lb.	23.35 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 ≤ + 14 % - TD < - 13 %		ASTM D1204
Tensile Strength	- MD 11,000 – 16,000 psi - TD 6,000 – 7,200 psi	76 - 110 MPa 41 - 50 MPa	ASTM D882
Elongation	- MD 90 - 150 % - TD 200 - 275 %		ASTM D882
Modulus, secant	- MD 190,000 - 225,000 psi - TD 180,000 - 220,000 psi	1310 - 1551 MPa 1241 - 1517 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 5.86	cc/m ² dbar 90.86	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 0.0023 0.0044 0.0150 0.0190	g/m ² d 0.037 0.069 0.233 0.295	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

115 Tabor Road
Morris Plains, NJ 07950
1-800-631-8138
www.honeywell.com

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