

# Honeywell Aclar® Rx20e

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Aclar® Rx20e is a 0.80 mil (20 micron) PCTFE homopolymer, high performance barrier film for the pharmaceutical and medical markets. It thermoforms well on conventional blister packaging equipment and offers all the benefits of Aclar® in a mid-range barrier material.

Properties of 0.80 mil (20µ) film at 73°F- 50% RH	Typical Value		Test Method
	English	Metric	
Specific Gravity	2.11		ASTM D1505
Yield	16,420 in <sup>2</sup> /lb.	23.35 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	≤ + 12 % < - 12 %		ASTM D1204
Tensile Strength - MD - TD	11,000 – 16,000 psi 6,000 – 7,200 psi	76 - 110 MPa 41 - 50 MPa	ASTM D882
Elongation - MD - TD	90 - 150 % 200 - 275 %		ASTM D882
Modulus, secant - MD - TD	190,000 - 225,000 psi 180,000 - 220,000 psi	1310 - 1551 MPa 1241 - 1517 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 @ 86°F (30°C) / 65% RH @ 104°F (40°C) / 75% RH @ 100°F (37.8°C) / 100% RH	gms/100in <sup>2</sup> /day 0.0023 0.0040 0.0044 0.0150 0.0190	gms/m <sup>2</sup> /day 0.037 0.062 0.069 0.233 0.295	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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