

HONEYWELL ACLAR ACCEL™ 1700

Aclar Accel™ 1700 is a high transparent 1.7 mil (43 µm) new generation PCTFE homopolymer 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 1.7 MIL (43µm) FILM AT 73°F (23°C) - 50% RH	TYPICAL VALUE		TEST METHOD	
	ENGLISH	METRIC		
Specific Gravity		2.11 g/cm ³	ASTM D1505	
Yield	7,723 in ² /lb.	10.98 m ² /kg		
Crystalline Melting Point	412°F	211°C	ASTM D4591	
Dimensional Stability (10 mins. @ 300°F/149°C)	- MD - TD	≤ + 12 % < - 10 %	ASTM D1204	
Tensile Strength	- MD - TD	9,000 - 12,000 psi 5,000 - 8,000 psi	62 - 83 MPa 34 - 55 MPa	ASTM D882
Elongation	- MD - TD	175 - 250 % 250 - 300 %	ASTM D882	
Modulus, secant	- MD - TD	170,000 - 200,000 psi 170,000 - 200,000 psi	1172 - 1379 MPa 1172 - 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 2.86	cc/m ² dbar 44.33	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 0.0011 0.0024 0.0088 0.0100	g/m ² d 0.018 0.037 0.136 0.155	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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