

HONEYWELL ACLAR ACCEL™ 800

Aclar AcCEL™ 800 is a high transparent 0.8 mil (20 µm) new generation 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 0.8 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 | | |
| Crystalline Melting Point | 412°F | 211°C | ASTM D4591 | |
| Dimensional Stability (10 mins. @ 300°F/149°C) | - MD - TD | ≤ + 14 % ≤ - 13 % | 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 | |
| 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

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