

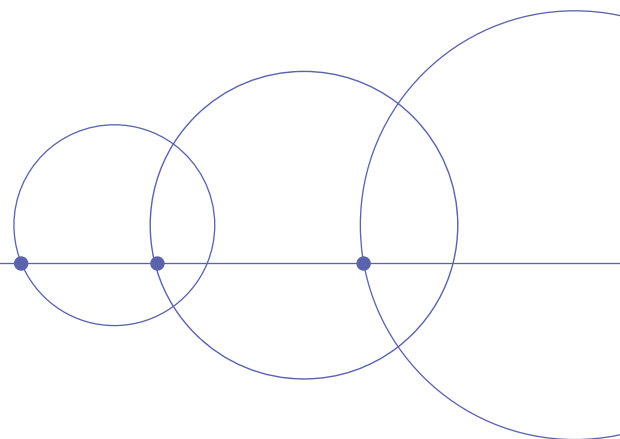
SOLSTICE

ACLAR[®] UltRx 2000

TECHNICAL DATA SHEET

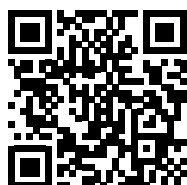
Aclar[®] UltRx 2000 is a high transparent 2 mil (51 µm) PCTFE homopolymer very high moisture barrier film designed for semi-rigid and flexible film packaging applications for highly sensitive medicinal products in pharmaceutical and medical markets. This film is suitable for thermoforming and lamination to various substrates including PVC and PVC free solutions, such as PET, PP, and PE substrates for environmentally friendly applications.

PROPERTIES OF 2.00 MIL (51µm) FILM AT 73°F (23°C) - 50% RH		TYPICAL VALUE		TEST METHOD
		ENGLISH	METRIC	
Specific Gravity			2.11 g/cm ³	ASTM D1505
Yield		6,567 in ² /lb.	9.34 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	± + 12 %		ASTM D1204
	- TD	< - 8 %		
Tensile Strength	- MD	7,000 – 10,000 psi	48 – 69 MPa	ASTM D882
	- TD	4,500 – 7,500 psi	31– 52 MPa	
Elongation	- MD	150 – 200 %		ASTM D882
	- TD	175 – 250 %		
Modulus, secant	- MD	170,000 – 200,000 psi	1172 – 1379 MPa	ASTM D882
	- TD	170,000 – 200,000 psi	1172 – 1379 MPa	
Surface Tension (treated side)		≥ 42 dynes/cm		ASTM D2578
Oxygen Transmission Rate @ 73.4°F (23°C) / 50% RH		cc/100in ² dbar 2.50	cc/m ² dbar 38.72	ASTM F1927-20
Water Vapor Transmission Rate @ 77°F (25°C) / 60% RH		g/100in ² d 0.0012	g/m ² d 0.019	ASTM F1249
@ 86°F (30°C) / 65% RH		0.0019	0.029	
@ 104°F (40°C) / 75% RH		0.0066	0.102	
@ 100°F (37.8°C) /100% RH		0.0077	0.119	



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