

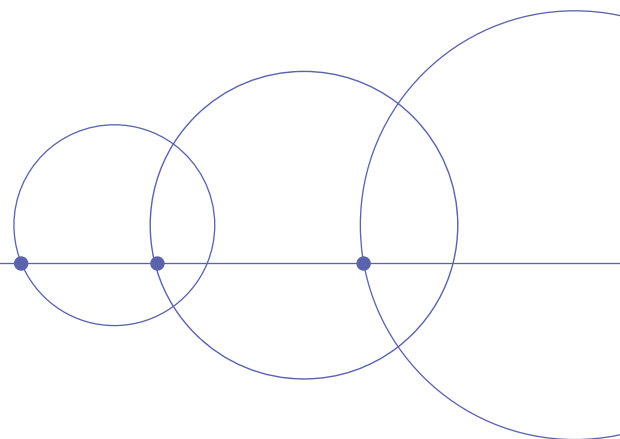
SOLSTICE

ACLAR[®] UltRx 4000

TECHNICAL DATA SHEET

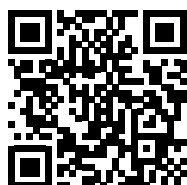
Aclar[®] UltRx 4000 is a high transparent 4 mil (102 µm) PCTFE homopolymer ultra- high moisture barrier film designed for semi-rigid and flexible film packaging applications for highly sensitive medicinal products in pharmaceutical and medical markets. This film is suitable for thermoforming and lamination to various substrates including PVC and PVC free solutions, such as PET, PP, and PE substrates for environmentally friendly applications.

PROPERTIES OF 4.00 MIL (102µm) FILM AT 73°F (23°C) - 50% RH		TYPICAL VALUE		TEST METHOD
		ENGLISH	METRIC	
Specific Gravity			2.11 g/cm ³	ASTM D1505
Yield		3,285 in ² /lb.	4.67 m ² /kg	
Haze		< 1 %		ASTM D1003
Crystalline Melting Point		412°F	211°C	ASTM D4591
Dimensional Stability	- MD	≤ + 9 %		ASTM D1204
	(10 mins. @ 300°F/149°C) - TD	< - 7 %		
Tensile Strength	- MD	6,000 – 9,000 psi	41 – 62 MPa	ASTM D882
	- TD	4,000 – 7,000 psi	28 – 48 MPa	
Elongation	- MD	150 – 225 %		ASTM D882
	- TD	175 – 225 %		
Modulus, secant	- MD	160,000 – 200,000 psi	1103 – 1379 MPa	ASTM D882
	- TD	160,000 – 200,000 psi	1103 – 1379 MPa	
Surface Tension (treated side)		≥ 42 dynes/cm		ASTM D2578
Oxygen Transmission Rate		cc/100in ² dbar	cc/m ² dbar	ASTM F1927-20
@ 73.4°F (23°C) / 50% RH		1.20	18.60	
Water Vapor Transmission Rate		g/100in ² d	g/m ² d	ASTM F1249
@ 77°F (25°C) / 60% RH		0.0006	0.009	
@ 86°F (30°C) / 65% RH		0.0009	0.015	
@ 104°F (40°C) / 75% RH		0.0031	0.048	
@ 100°F (37.8°C) /100% RH		0.0042	0.065	



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