

ACLAR® SupRx 900

Polychlorotrifluoroethylene

Honeywell

Message:

Aclar SupRx 900 is a 0.90 mil CTFE homopolymer high performance barrier film for the pharmaceutical and medical markets. It thermoforms well on conventional blister packaging equipment and offers improved barrier over 22A at a competitive cost.

General Information			
Features	Homopolymer		
	Barrier resin		
Uses	Packaging		
	Films		
	Medical/nursing supplies		
Forms	Particle		
Processing Method	cast film		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	2.11	g/cm ³	ASTM D1505
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD : 23 µm	1380	MPa	ASTM D882
TD : 23 µm	1290	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 23 µm	109	MPa	ASTM D882
TD: Yield, 23 µm	51.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 23 µm	100	%	ASTM D882
TD: Yield, 23 µm	250	%	ASTM D882
Water Vapor Transmission Rate			ASTM F1249
23 µm, 40°C, 75% RH	0.23	g · mm/m ² /atm/24 hr	ASTM F1249
23 µm, 38°C, 100% RH	0.26	g · mm/m ² /atm/24 hr	ASTM F1249
23 µm, 25°C, 60% RH	0.034	g · mm/m ² /atm/24 hr	ASTM F1249
23 µm, 30°C, 60% RH	0.056	g · mm/m ² /atm/24 hr	ASTM F1249
Optical	Nominal Value	Unit	Test Method
Haze (22.9 µm)	< 1.0	%	ASTM D1003
Additional Information			

Yield, No Standard: 20.75 m²/kgTensile Strength @ Yld, ASTM D882, MD, 0.9 mil: 11000 to 20500 psiTensile Strength @ Yld, ASTM D882, TD, 0.9 mil: 6400 to 8400 psiTensile Elongation @ Yield, ASTM D882, MD, 0.9 mil: 70 to 130%Tensile Elongation @ Yield, ASTM D882, TD, 0.9 mil: 200 to 300%Secant Modulus, ASTM D882, 0.9 mil, MD: 175000 to 225000Secant Modulus, ASTM D882, 0.9 mil, TD: 170000 to 205000Tear Strength, ASTM D1004, Graves MD: 325 to 375 g/milTear Strength, ASTM D1004, Graves TD: 275 to 325 g/milCrystalline Melting Point, ASTM D4591: 211 °CDimensional Stability, ASTM D1204, MD: 8 to 15 %Dimensional Stability, ASTM D1204, TD: -8 to -13 %All film properties were tested as an average value.

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