

ACLAR® 22A (1.5 mil)

Polychlorotrifluoroethylene

Honeywell

Message:

Aclar 22A is a copolymer film consisting primarily of chlorotrifluoroethylene (CTFE). It is a flexible transparent film used to package moisture sensitive products.

General Information			
Features	Copolymer		
	Good flexibility		
Uses	Packaging		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Density	2.08	g/cm ³	ASTM D1505
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD : 38 µm	1030	MPa	ASTM D882
TD : 38 µm	1070	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 38 µm	64.1	MPa	ASTM D882
TD: Yield, 38 µm	44.8	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 38 µm	170	%	ASTM D882
TD: Yield, 38 µm	250	%	ASTM D882
Water Vapor Transmission Rate (38 µm, 38°C, 100% RH)	0.34	g · mm/m ² /atm/24 hr	ASTM F1249
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC)	190	°C	ASTM D3418
Thermal Conductivity	0.22	W/m/K	ASTM C177
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.0381 mm)	100	%	ASTM D2863
Optical	Nominal Value	Unit	Test Method
Haze (38.1 µm)	< 1.0	%	ASTM D1003
Additional Information			

Yield, No Standard: 12.64 m²/kgTear Strength, ASTM D1004, Graves MD: 325 to 350 g/milTear Strength, ASTM D1004, Graves TD: 250 to 325 g/milCrystalline Melting Point, ASTM D4591: 190 °CDimensional Stability, ASTM D1204, MD: +12 to +15 %Dimensional Stability, ASTM D1204, TD: -12 to -15 %Tensile Strength @ yld, ASTM D882, MD: 7500 to 11000 psiTensile Strength @ yld, ASTM D882, TD: 5000 to 8000 psiElongation @ Yield, ASTM D882, MD: 115 to 225%Elongation @ Yield, ASTM D882, TD: 200 to 300%Secant Modulus, ASTM D882, MD: 140000 to 160000 psiSecant Modulus, ASTM D882, TD: 150000 to 160000 psiFlammability: non-flammable

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