

ACLAR® 22A (2 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 : 51 µm	1030	MPa	ASTM D882
TD : 51 µm	1070	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 51 µm	64.1	MPa	ASTM D882
TD: Yield, 51 µm	44.8	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 51 µm	170	%	ASTM D882
TD: Yield, 51 µm	250	%	ASTM D882
Water Vapor Transmission Rate (51 µm, 38°C, 100% RH)	0.30	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 (0.0508 mm)	100	%	ASTM D2863
Optical	Nominal Value	Unit	Test Method
Haze (50.8 µm)	< 1.0	%	ASTM D1003
Additional Information			

Yield, No Standard: 9.48 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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

