

ACLAR® 11A (3 mil)

Polychlorotrifluoroethylene

Honeywell

Message:

ACLAR® 11A (3 mil) is a polytrifluoroethylene (PCTFE) product. It can be processed by casting film and is available in North America, Europe or Asia Pacific. ACLAR®The application areas of 11A (3 mil) include electrical/electronic applications and industrial applications.

Features include:

Homopolymer

chemical resistance

General Information			
Features	Homopolymer		
	Good chemical resistance		
	Barrier resin		
Uses	Electrical/Electronic Applications		
	Industrial application		
Forms	Particle		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Density	2.10	g/cm ³	ASTM D1505
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD : 76 µm	1170	MPa	ASTM D882
TD : 76 µm	1170	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 76 µm	52.0	MPa	ASTM D882
TD: Yield, 76 µm	42.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 76 µm	200	%	ASTM D882
TD: Yield, 76 µm	250	%	ASTM D882
Water Vapor Transmission	1.4	g/m ² /24 hr	ASTM E96
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	0.21	W/m/K	ASTM C177
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.0762 mm)	100	%	ASTM D2863
Optical	Nominal Value	Unit	Test Method
Haze (76.2 µm)	1.0	%	ASTM D1003
Additional Information			

Yield, No Standard: 6.23 m²/kgTear 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: 5 to 10 %Dimensional Stability, ASTM D1204, TD: -5 to -10 %All film properties were tested as an average value.

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