

# ACLAR® 11A (4 mil)

Polychlorotrifluoroethylene

Honeywell

## Message:

ACLAR® 11A (4 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 (4 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 <sup>3</sup>	ASTM D1505
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD : 100 µm	1380	MPa	ASTM D882
TD : 100 µm	1380	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 100 µm	38.0	MPa	ASTM D882
TD: Yield, 100 µm	38.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 100 µm	190	%	ASTM D882
TD: Yield, 100 µm	210	%	ASTM D882
Water Vapor Transmission	0.062	g/m <sup>2</sup> /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 (0.102 mm)	100	%	ASTM D2863
Optical	Nominal Value	Unit	Test Method
Haze (102 µm)	1.0	%	ASTM D1003
Additional Information			

Yield, No Standard: 4.65 m<sup>2</sup>/kgTear Strength, ASTM D1004, Graves MD: 450 to 525 g/milTear Strength, ASTM D1004, Graves TD: 450 to 525 g/milCrystalline Melting Point, ASTM D4591: 211 °CDimensional Stability, ASTM D1204, MD: 2 %Dimensional Stability, ASTM D1204, TD: 2 %All film properties were tested as an average value.

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#### Recommended distributors for this material

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