

# ACLAR® Flex 380

Polychlorotrifluoroethylene  
Honeywell

## Message:

Aclar Flex 380 is a 38 micron (1.5-mil) CTFE homopolymer high performance barrier film for the pharmaceutical and medical markets. Its high barrier and excellent dimensional stability make it ideal for flexible packaging applications such as pouches, overwraps, and lidding.

General Information			
Features	Good dimensional stability		
	Pressure cooker disinfection		
	Good disinfection		
	Homopolymer		
	Good cracking resistance		
	Good flexibility		
	Definition, high		
	Barrier resin		
Uses	Films		
	Cover		
	Medical/nursing supplies		
	Medical packaging		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	2.11	g/cm <sup>3</sup>	ASTM D1505
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield, 38 µm	152	MPa	ASTM D882
TD: Yield, 38 µm	30.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 38 µm	35	%	ASTM D882
TD: Yield, 38 µm	230	%	ASTM D882
Water Vapor Transmission Rate (38 µm, 38°C, 100% RH)	3.1E-3	g · mm/m <sup>2</sup> /atm/24 hr	ASTM F1249
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC)	211	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Haze (38.1 µm)	< 1.0	%	ASTM D1003
Additional Information			

Yield, No Standard: 12.37 m<sup>2</sup>/kgCrystalline Melting Point, ASTM D4591: 211 °CDimensional Stability, ASTM D1204, MD & TD: -6 to-12 %Tensile Modulus, ASTM D882. MD: 258000 psiTensile Modulus, ASTM D882. TD: 200000 psiGraves Tear Strength, ASTM D1004, MD: 338 g/milGraves Tear Strength, ASTM D1004, TD: 495 g/mil

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#### Recommended distributors for this material

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