

# ACLAR® Flex 180

Polychlorotrifluoroethylene  
Honeywell

## Message:

Aclar Flex 180 is a 18-micron (0.70-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		
	Definition, high		
	Barrier resin		
Uses	Packaging		
	Films		
	Medical/nursing supplies		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	2.11	g/cm <sup>3</sup>	ASTM D1505
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	18	µm	
secant modulus			ASTM D882
MD : 18 µm	2020	MPa	ASTM D882
TD : 18 µm	1320	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 18 µm	169	MPa	ASTM D882
TD: Yield, 18 µm	34.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 18 µm	30	%	ASTM D882
TD: Yield, 18 µm	370	%	ASTM D882
Water Vapor Transmission Rate (18 µm, 38°C, 100% RH)	5.5E-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 (17.8 µm)	< 1.0	%	ASTM D1003

#### Additional Information

Yield, No Standard: 26.54 m<sup>2</sup>/kgCrystalline Melting Point, ASTM D4591: 211 °CDimensional Stability, ASTM D1204, MD & TD: -8 to -12 %Graves Tear Strength, ASTM D1004, MD: 325 g/milGraves Tear Strength, ASTM D1004, TD: 405 g/mil

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

