# ACLAR® Flex 250

## Polychlorotrifluoroethylene

## Honeywell

#### Message:

Aclar Flex 250 is a 25 micron (1.0-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.

Features  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/cm³ ASTM D1505  Films Nominal Value Unit Test Method  Density 2.11 g/cm³ ASTM D1505  Films Nominal Value Unit Test Method  Density Films Nominal Value Unit Test Method  Density Films Nominal Value Unit Test Method  Test Method  Density Films Nominal Value Unit Test Method  Films Films Nominal Value Unit Test Method  Films Films Secant modulus Film Thickness - Tested 25 µm  Secant modulus  MD: 25 µm 1910 MPa ASTM D882  TD: 25 µm 1920 MPa ASTM D882  Tensile Strength 169 MPa ASTM D882  Tensile Elongation 45TM D882  Tensile Elongation 45TM D882		Good disinfection  Homopolymer  Good cracking resistance  Definition, high		
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TD: Yield, 25 μm 36.2 MPa ASTM D882 Tensile Elongation ASTM D882	h			ASTM D882
Tensile Elongation ASTM D882	5 μm	169	MPa	ASTM D882
	μm	36.2	MPa	ASTM D882
MD: Yield, 25 μm 26 % ASTM D882	tion			ASTM D882
	5 μm	26	%	ASTM D882
TD: Yield, 25 μm 250 % ASTM D882	μm	250	%	ASTM D882
Water Vapor Transmission Rate (25 μm,         38°C, 100% RH)       3.9E-3       g⋅mm/m²/atm/24 hr       ASTM F1249		3.9E-3	g∙mm/m²/atm/24 hr	ASTM F1249
Thermal Nominal Value Unit Test Method		Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC) 211 °C ASTM D3418	ation Temperature (DSC)	211	°C	ASTM D3418
Optical Nominal Value Unit Test Method		Nominal Value	Unit	Test Method
Haze (25.4 μm) < 1.0 % ASTM D1003	1	< 1.0	%	ASTM D1003
Additional Information	rmation			

Yield, No Standard: 18.56 m²/kgCrystalline Melting Point, ASTM D4591: 211 °CDimensional Stability, ASTM D1204, MD & TD: -6 to -12 %Graves Tear Strength, ASTM D1004, MD: 433 g/milGraves Tear Strength, ASTM D1004, TD: 350 g/mil

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