

# ACLAR® Rx20e

Polychlorotrifluoroethylene

Honeywell

## Message:

Aclar® Rx20e is a 0.80 mil (20 micron) CTFE homopolymer, high performance barrier film for the pharmaceutical and medical markets. It thermoforms well on conventional blister packaging equipment and offers all of the benefits of Aclar® in a mid-range barrier material.

General Information	
Features	Homopolymer
	Barrier resin
Uses	Packaging
	Films
	Medical/nursing supplies
Forms	Particle
Processing Method	cast film
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	2.11	g/cm <sup>3</sup>	ASTM D1505
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD : 20 µm	1400	MPa	ASTM D882
TD : 20 µm	1340	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 20 µm	89.6	MPa	ASTM D882
TD: Yield, 20 µm	47.9	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 20 µm	120	%	ASTM D882
TD: Yield, 20 µm	250	%	ASTM D882
Water Vapor Transmission Rate			ASTM F1249
20 µm, 40°C, 75% RH	0.26	g · mm/m <sup>2</sup> /atm/24 hr	ASTM F1249
20 µm, 38°C, 100% RH	0.29	g · mm/m <sup>2</sup> /atm/24 hr	ASTM F1249
20 µm, 25°C, 60% RH	0.039	g · mm/m <sup>2</sup> /atm/24 hr	ASTM F1249
20 µm, 30°C, 60% RH	0.062	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 (20.3 µm)	< 1.0	%	ASTM D1003

#### Additional Information

Yield, No Standard: 23.35 m<sup>2</sup>/kgTensile Strength @ Yld, ASTM D882, MD, 0.8 mil: 10000 to 16000 psiTensile Strength @ Yld, ASTM D882, TD, 0.8 mil: 5600 to 8300 psiTensile Elongation @ Yield, ASTM D882, MD, 0.8 mil: 80 to 150%Tensile Elongation @ Yield, ASTM D882, TD, 0.8 mil: 200 to 300%Secant Modulus, ASTM D882, 0.8 mil, MD: 180000 to 225000Secant Modulus, ASTM D882, 0.8 mil, TD: 175000 to 215000Tear Strength, ASTM D1004, Graves MD: 475 to 575 g/milTear Strength, ASTM D1004, Graves TD: 450 to 550 g/milCrystalline Melting Point, ASTM D4591: 211 °CDimensional Stability, ASTM D1204, MD: +8 to +12 %Dimensional Stability, ASTM D1204, TD: -8 to -12 %All film properties were tested as an average value.

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

