

## Honeywell ACLARÂ® UltRx 3000 CTFE Homopolymer, Barrier Film

Category : Polymer , Film , Thermoplastic , Fluoropolymer , Polychlorotrifluoroethylene (PCTFE); Molded

### Material Notes:

Description: ACLARÂ® UltRx 3000 is a 3 mil CTFE homopolymer high performance barrier film for the pharmaceutical and medical markets. It thermoforms well on conventional blister packaging equipment. Information provided by Honeywell.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Honeywell-ACLAR-UltRx-3000-CTFE-Homopolymer-Barrier-Film.php](http://www.lookpolymers.com/polymer_Honeywell-ACLAR-UltRx-3000-CTFE-Homopolymer-Barrier-Film.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.11 g/cc	2.11 g/cc	ASTM D1505
Density	2.10 g/cc	0.0760 lb/in <sup>3</sup>	Yield Density
Water Vapor Transmission	0.0120 g/m <sup>2</sup> /day	0.000773 g/100 in <sup>2</sup> /day	77Â°F (25Â°C) / 60%RH; ASTM F1249
	0.0230 g/m <sup>2</sup> /day	0.00148 g/100 in <sup>2</sup> /day	86Â°F (30Â°C) / 65% RH; ASTM F1249
	0.0250 g/m <sup>2</sup> /day	0.00161 g/100 in <sup>2</sup> /day	86Â°F (30Â°C) / 60%RH; ASTM F1249
	0.0620 g/m <sup>2</sup> /day	0.00399 g/100 in <sup>2</sup> /day	104Â°F (40Â°C) / 75%RH; ASTM F1249
	0.0880 g/m <sup>2</sup> /day	0.00567 g/100 in <sup>2</sup> /day	100Â°F (37.8Â°C) / 100%RH; ASTM F1249
Thickness	76.2 microns	3.00 mil	
Surface Tension	>= 42 dynes/cm	>= 42 dynes/cm	ASTM D2578

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	150 - 225 %	150 - 225 %	ASTM D882
Film Elongation at Break, TD	175 - 225 %	175 - 225 %	ASTM D882
Secant Modulus, MD	1.103 - 1.38 GPa	160.0 - 200 ksi	ASTM D882
Secant Modulus, TD	1.103 - 1.38 GPa	160.0 - 200 ksi	ASTM D882
Film Tensile Strength at Break, MD	41.4 - 62.1 MPa	6000 - 9000 psi	ASTM D882
Film Tensile Strength at Break, TD	27.6 - 48.3 MPa	4000 - 7000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	211 Â°C	412 Â°F	crystalline melting point; ASTM D4591

Thermal Properties	Metric	English	Comments
Shrinkage, TD	<= -6.0 %	<= -6.0 %	19Â°C - 10 min.; ASTM D1204 300Â°F / 149Â°C - 10 min.; ASTM D1204

Optical Properties	Metric	English	Comments
Haze	<= 1.0 %	<= 1.0 %	ASTM D1003

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China