Honeywell Halar® High Performance E-CTFE Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Fluoropolymer , ETFE/ECTFE , ECTFE Fluoropolymer

Material Notes:

Description: Halar® is a high performance Ethylene-Chlorotrifluoroethylene (E-CTFE) film with excellent mechanical, electrical and release properties. It is non-flammable, and has outstanding chemical resistance. Information provided by Honeywell.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Honeywell-Halar-High-Performance-E-CTFE-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.68 g/cc	1.68 g/cc	ASTM D1505
Water Vapor Transmission	7.80 g/m²/day	0.502 g/100 in²/day	100°F (37.8°C) / 100%RH; ASTM F1249
Thickness	25.4 microns	1.00 mil	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	31.0 - 39.3 MPa	4500 - 5700 psi	ASTM D882
Film Tensile Strength at Yield, TD	27.6 - 34.5 MPa	4000 - 5000 psi	ASTM D882
Film Elongation at Break, MD	90 - 275 %	90 - 275 %	ASTM D882
Film Elongation at Break, TD	210 - 355 %	210 - 355 %	ASTM D882
Secant Modulus, MD	1.585 - 2.275 GPa	229.9 - 330.0 ksi	ASTM D882
Secant Modulus, TD	1.31 - 1.724 GPa	190 - 250.0 ksi	ASTM D882
Coefficient of Friction	0.23 - 0.33	0.23 - 0.33	film to stainless steel; ASTM D1894
	0.30 - 0.86	0.30 - 0.86	film to film; ASTM D184
Tear Strength Test	400 - 570	400 - 570	graves tear MD, grams/mil; ASTM D1004
	350 - 700	350 - 700	graves tear TD, grams/mil; ASTM D1004
Film Tensile Strength at Break, MD	60.7 - 107 MPa	8800 - 15500 psi	ASTM D882
Film Tensile Strength at Break, TD	42.7 - 72.4 MPa	6200 - 10500 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	240 °C	464 °F	crystalline melting point; ASTM D4591
Shrinkage, MD	<= 3.0 %	<= 3.0 %	300°F / 149°C - 10 min.; ASTM D1204

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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