

## Dow Saran® 540 Vapor Retarder Film

Category : Polymer , Film , Thermoplastic , PVDC

### Material Notes:

Saran™ Vapor Retarder Film is a biaxially oriented barrier film designed as a water vapor retarder for insulation applications. It is available in 400 gauge. Roll size: 35.5" x 375 long. Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Saran-540-Vapor-Retarder-Film.php](http://www.lookpolymers.com/polymer_Dow-Saran-540-Vapor-Retarder-Film.php)

Physical Properties	Metric	English	Comments
Permeability	0.020	0.020	[g / hr / ft <sup>2</sup> / in. Hg] at 73°F and 50% RH; ASTM E96-93
Thickness	102 microns	4.00 mil	ASTM D374

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	140 %	140 %	ASTM D882
Film Elongation at Break, TD	88 %	88 %	ASTM D882
Secant Modulus, MD	0.5557 GPa	80.60 ksi	2% Secant; ASTM D882
Secant Modulus, TD	0.3785 GPa	54.90 ksi	2% Secant; ASTM D882
Impact	236	236	Puncture Resistance, Beach units; ASTM D781
	244	244	Puncture Resistance, Beach units; TAPPI T803
Film Tensile Strength at Break, MD	74.5 MPa	10800 psi	ASTM D882
Film Tensile Strength at Break, TD	110 MPa	16000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	for maximum flexibility during installation, it is recommended that ambient temperature be above 24°F
Flammability Test	5.0	5.0	Flame Spread; ASTM E-84-95
Smoke Density	20 min	20 min	ASTM E-84-95
Shrinkage, MD	10 %	10 %	Unrestrained, 100°C Air
Shrinkage, TD	4.0 %	4.0 %	Unrestrained, 100°C Air

Descriptive Properties	Value	Comments
Mullen Burst psi	139	ASTM D774
Yield in2/lb	28.3	Calculated

## 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