

## Dow Saran® 18L-WP White Plastic Barrier Film

Category : Polymer , Film , Thermoplastic , PVDC

### Material Notes:

Saran™ 18L-WP is a white biaxially oriented monolayer barrier film, preshrunk for lamination applications. It is available in 75 gauge, as single or double wound rolls. Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Saran-18L-WP-White-Plastic-Barrier-Film.php](http://www.lookpolymers.com/polymer_Dow-Saran-18L-WP-White-Plastic-Barrier-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	7.20 g/m <sup>2</sup> /day	0.464 g/100 in <sup>2</sup> /day	at 100°F, 90% RH; ASTM F1249-90
Oxygen Transmission	0.512 cc-mm/m <sup>2</sup> -24hr-atm	1.30 cc-mil/100 in <sup>2</sup> -24hr-atm	10% RH; ASTM D3985
Thickness	19.0 microns	0.750 mil	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	80 %	80 %	ASTM D882
Film Elongation at Break, TD	75 %	75 %	ASTM D882
Secant Modulus, MD	0.5171 GPa	75.00 ksi	2% Secant; ASTM D882
Secant Modulus, TD	0.4826 GPa	70.00 ksi	2% Secant; ASTM D882
Coefficient of Friction, Dynamic	0.15	0.15	Film to Metal; ASTM D1894
Film Tensile Strength at Break, MD	82.7 MPa	12000 psi	ASTM D882
Film Tensile Strength at Break, TD	110 MPa	16000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Shrinkage, MD	11 %	11 %	Unrestrained, 100°C Air; ASTM D1204
Shrinkage, TD	4.0 %	4.0 %	Unrestrained, 100°C Air; ASTM D1204

Optical Properties	Metric	English	Comments
Gloss	40 %	40 %	45°; ASTM D2457
Transmission, Visible	0.20 %	0.20 %	Clarity; ASTM D1746

Descriptive Properties	Value	Comments
Yield in2/lb	21600	Calculated

## **Contact Songhan Plastic Technology Co.,Ltd.**

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