

Dow SARAN WRAP™ 3 Plastic Film

Category : Polymer , Film , Thermoplastic , PVDC

Material Notes:

SARAN WRAP™ 3 Plastic Film is a clear biaxially oriented monolayer barrier film, designed for tight wrap and heat sealing applications. It is available in 50 gauge, as single or double would rolls, in widths up to 65 inches. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-SARAN-WRAP-3-Plastic-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	8.70 g/m ² /day	0.560 g/100 in ² /day	at 100°F, 90% RH; Permatran W
Oxygen Transmission	0.472 cc-mm/m ² -24hr-atm	1.20 cc-mil/100 in ² -24hr-atm	10% RH; ASTM D3985
Nitrogen Transmission	0.0709 cc-mm/m ² -24hr-atm	0.180 cc-mil/100 in ² -24hr-atm	10% RH; ASTM D1434
Carbon Dioxide Transmission	2.13 cc-mm/m ² -24hr-atm	5.40 cc-mil/100 in ² -24hr-atm	10% RH; ASTM D1434
Thickness	12.7 microns	0.500 mil	ASTM D374

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	90 %	90 %	ASTM D882
Film Elongation at Break, TD	60 %	60 %	ASTM D882
Secant Modulus, MD	0.4826 GPa	70.00 ksi	2% Secant; ASTM D882
Secant Modulus, TD	0.5516 GPa	80.00 ksi	2% Secant; ASTM D882
Film Tensile Strength at Break, MD	89.6 MPa	13000 psi	ASTM D882
Film Tensile Strength at Break, TD	103 MPa	15000 psi	ASTM D882
Heat Seal Strength Initiation Temperature	141 °C	286 °F	0.28 lb/in heat seal strength; SWTM-19
	157 °C	315 °F	0.40 lb/in heat seal strength; SWTM-19

Thermal Properties	Metric	English	Comments
Shrinkage, MD	15 %	15 %	Unrestrained, 100°C Air
Shrinkage, TD	9.0 %	9.0 %	Unrestrained, 100°C Air

Optical Properties	Metric	English	Comments
--------------------	--------	---------	----------

Optical Properties	Metric	English	Comments
Gloss	112 %	112 %	45°; ASTM D2457
Transmission, Visible	86 %	86 %	Clarity; ASTM D1746

Descriptive Properties	Value	Comments
Air Transmission cc-mil/100 in ² -24hr-atm	0.36	10% RH
Block Force g	12	SWTM-23
Cling g	8	SWTM-23
Yield in ² /lb	34600	ASTM D2103

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