

## Dow Saran® 28 Clear Plastic Barrier Film

Category : Polymer , Film , Thermoplastic , PVDC

**Material Notes:**

Saran™ 28 is a clear biaxially oriented monolayer barrier film, designed for chub packaging machines and laminations. It is available in 100 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-28-Clear-Plastic-Barrier-Film.php](http://www.lookpolymers.com/polymer_Dow-Saran-28-Clear-Plastic-Barrier-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	6.20 g/m <sup>2</sup> /day	0.399 g/100 in <sup>2</sup> /day	at 100°F, 90% RH; ASTM F1249-90
Oxygen Transmission	0.748 cc-mm/m <sup>2</sup> -24hr-atm	1.90 cc-mil/100 in <sup>2</sup> -24hr-atm	10% RH; ASTM D3985
Thickness	25.4 microns	1.00 mil	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	90 %	90 %	ASTM D882
Film Elongation at Break, TD	75 %	75 %	ASTM D882
Secant Modulus, MD	0.6067 GPa	88.00 ksi	2% Secant; ASTM D882
Secant Modulus, TD	0.5309 GPa	77.00 ksi	2% Secant; ASTM D882
Coefficient of Friction, Dynamic	0.30	0.30	Film to Metal; ASTM D1894
Film Tensile Strength at Break, MD	82.7 MPa	12000 psi	ASTM D882
Film Tensile Strength at Break, TD	117 MPa	17000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Shrinkage, MD	20 %	20 %	10 min at 100°C Air, unrestrained; ASTM D1204
Shrinkage, TD	11 %	11 %	10 min at 100°C Air, unrestrained; ASTM D1204

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D1003
Gloss	90 %	90 %	45°; ASTM D2457
Transmission, Visible	52 %	52 %	Clarity; ASTM D1746

Descriptive Properties	Value	Comments
Yield in2/lb	16200	Calculated

## Contact Songhan Plastic Technology Co.,Ltd.

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