

## Dow Saran® 520 Clear Plastic Barrier Film

Category : Polymer , Film , Thermoplastic , PVDC

### Material Notes:

Saran™ 520 is a clear biaxially oriented monolayer barrier film, designed for unit packaging and other applications. It is available in 2 gauge. Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Saran-520-Clear-Plastic-Barrier-Film.php](http://www.lookpolymers.com/polymer_Dow-Saran-520-Clear-Plastic-Barrier-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.94 g/m <sup>2</sup> /day	0.125 g/100 in <sup>2</sup> /day	at 100°F, 90% RH; ASTM F1249-90
Oxygen Transmission	0.571 cc-mm/m <sup>2</sup> -24hr-atm	1.45 cc-mil/100 in <sup>2</sup> -24hr-atm	10% RH; ASTM D3985
Thickness	50.8 microns	2.00 mil	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	95 %	95 %	ASTM D882
Film Elongation at Break, TD	80 %	80 %	ASTM D882
Secant Modulus, MD	0.6895 GPa	100.0 ksi	2% Secant; ASTM D882
Secant Modulus, TD	0.6136 GPa	89.00 ksi	2% Secant; ASTM D882
Coefficient of Friction, Dynamic	0.30	0.30	Film to Metal; ASTM D1894
Film Tensile Strength at Break, MD	110 MPa	16000 psi	ASTM D882
Film Tensile Strength at Break, TD	131 MPa	19000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Shrinkage, MD	8.0 %	8.0 %	10 min at 100°C Air, unrestrained; ASTM D1204
Shrinkage, TD	4.0 %	4.0 %	10 min at 100°C Air, unrestrained; ASTM D1204

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	ASTM D1003
Gloss	105 %	105 %	45°; ASTM D2457
Transmission, Visible	73 %	73 %	Clarity; ASTM D1746

Descriptive Properties	Value	Comments
Yield in2/lb	8100	Calculated

## Contact Songhan Plastic Technology Co.,Ltd.

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