

Dow Saran® 8 Clear Plastic Barrier Film

Category : Polymer , Film , Thermoplastic , PVDC

Material Notes:

Saran™ 8 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 wound rolls. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Saran-8-Clear-Plastic-Barrier-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	9.00 g/m ² /day	0.580 g/100 in ² /day	at 100°F, 90% RH; ASTM F1249-90
Oxygen Transmission	0.512 cc-mm/m ² -24hr-atm	1.30 cc-mil/100 in ² -24hr-atm	10% RH; ASTM D3985
Thickness	15.2 microns	0.600 mil	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	75 %	75 %	ASTM D882
Film Elongation at Break, TD	55 %	55 %	ASTM D882
Secant Modulus, MD	0.6895 GPa	100.0 ksi	2% Secant; ASTM D882
Secant Modulus, TD	0.6205 GPa	90.00 ksi	2% Secant; ASTM D882
Film Tensile Strength at Break, MD	75.8 MPa	11000 psi	ASTM D882
Film Tensile Strength at Break, TD	124 MPa	18000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Shrinkage, MD	16 %	16 %	Unrestrained, 100°C Air; ASTM D1204
Shrinkage, TD	9.0 %	9.0 %	Unrestrained, 100°C Air; ASTM D1204

Optical Properties	Metric	English	Comments
Haze	1.0 %	1.0 %	ASTM D1003
Gloss	115 %	115 %	45°; ASTM D2457
Transmission, Visible	73 %	73 %	Clarity; ASTM D1746

Descriptive Properties	Value	Comments
Block Force g	114	ASTM D3354-89, unconditioned

Descriptive Properties	Value	Comments
Yield in2/lb	27000	ASTM D4549-87, unstretched Calculated

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