

SARANEX™ 14P

Coextruded Barrier Film

The Dow Chemical Company

Message:

SARANEX™ 14P Coextruded Barrier Film is a multilayer film designed for limited use in protective garments. It contains Dow SARAN™ barrier resin, and is available at 2.0 mil, in widths from 18 to 45 or 54 to 90 inches.

General Characteristics:

Yield: 13,600 in²/lb (19.3 m²/kg)

Thickness: 2 mil (51 µm)

Width: 18 - 45 or 54 - 90 in . (458 - 1143 or 1372 - 2286 mm)

Color: Natural

Treated outside (TO), untreated (TX) or treated inside (TI).

General Information			
Forms	Film		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	ASTM D374
Film Thickness - Recommended / Available	2.0 mil (51 µ)		
Secant Modulus			ASTM D882
2% Secant, MD : 51 µm	269	MPa	
2% Secant, TD : 51 µm	276	MPa	
Tensile Strength			ASTM D882
MD : Break, 51 µm	24.1	MPa	
TD : Break, 51 µm	22.1	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm	440	%	
TD : Break, 51 µm	520	%	
Oxygen Transmission Rate (23°C, 50% RH, 51 µm)	5.4	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate (38°C, 90% RH, 51 µm)	4.5	g/m ² /24 hr	ASTM F1249
Heat Seal Strength ¹			Internal Method
MD : 177°C	680	N/m	
TD : 177°C	630	N/m	
Yield (50.8 µm)	19.3	m ² /kg	ASTM D4321
NOTE			

1. 1 sec preheat, 1 sec dwell, 30 psi
(2.1 Bar)

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