

# NYLOPAK™ 570P

Coextruded Nylon Film

The Dow Chemical Company

Message:

NYLOPAK 570P Coextruded Nylon Film is a multi-layer film designed for limited use protective garments. It has an outer layer of HDPE, a nylon barrier and an aggressive adhesive layer wound in. It is available as 2.0 mil, medium slip, natural color, TX, in widths from 2 to 80 inches (51 mm to 2030 mm).

General Characteristics

Yield: 14,300 sq in./lb (20.3 m2/kg)

Thickness: 2.0 mil (51 µm)

Width: 2 - 80 in. (51 - 2030 mm)

Color: Natural

Treat: TX (untreated)

Surface Smooth

Wound in: Adhesive

Wound out: HDPE

General Information			
Appearance	Natural Color		
Forms	Film		
Processing Method	Coextruded Film		
	Extrusion Coating		

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	303	MPa	
2% Secant, TD : 51 µm	352	MPa	
Tensile Strength			ASTM D882
MD : Break, 51 µm	29.6	MPa	
TD : Break, 51 µm	22.1	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm	410	%	
TD : Break, 51 µm	380	%	
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	130	g	
TD : 51 µm	230	g	
Oxygen Permeability (23°C, 51 µm, 50% RH)	3.9	cm³·mm/m²/atm/24 hr	ASTM D3985
Water Vapor Transmission Rate (38°C, 90% RH, 51 µm)	14	g/m²/24 hr	ASTM F1249
Heat Seal Strength <sup>1</sup>			Internal Method
MD : 177°C	960	N/m	
TD : 177°C	880	N/m	

Yield	20.3	m <sup>2</sup> /kg	ASTM D4321
NOTE			
1.	1 sec. preheat, 1 sec. dwell, 30 psi (2.1 bar)		

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