

# INTEGRAL™ 801

Polyolefin Adhesive Film

The Dow Chemical Company

## Message:

INTEGRAL™ 801 Film provides adhesion between substrates such as ABS and polystyrene at low processing temperatures. This product should be considered where temperature-sensitive substrates such as synthetic fabrics are involved.

New experimental films are continually being developed. Please discuss your particular application needs with your Dow representative.

General Characteristics:

Heat Activation Point: 160°F (71°C)

Yield: 203 sq ft/lb/mil (41.5 m<sup>2</sup>/kg/25 µm)

Available Colors: Clear

Gauge Range: 1.0-2.0 mil (25-50 µm)

Width Range: 20-66 in (508-1576 mm)

General Information			
Appearance	Clear/Transparent		
Forms	Film		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Film Thickness - Recommended / Available	1.0-2.0 mil (25-50 µ)		
Secant Modulus			ASTM D882
2% Secant, MD : 51 µm	123	MPa	
2% Secant, TD : 51 µm	131	MPa	
Tensile Strength			ASTM D882
MD : Break, 51 µm	24.5	MPa	
TD : Break, 51 µm	14.5	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm	400	%	
TD : Break, 51 µm	650	%	
Dart Drop Impact (51 µm)	110	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	190	g	
TD : 51 µm	340	g	
Film Width	50.80 to 167.64	cm	
Peel Strength <sup>1</sup>			Internal Method
to ABS	669.7	g/2.5 cm	
to HIPS	982.2	g/2.5 cm	
to Polystyrene	759.0	g/2.5 cm	
Yield (25.0 µm)	41.5	m <sup>2</sup> /kg	
Heat Activation Temperature	71	°C	
NOTE			

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1. Heat seal testing at 300°F (149°C),  
30 psi, (0.21 MPa), 1 second dwell.

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