

# INTEGRAL™ 821

Polyolefin Adhesive Film

The Dow Chemical Company

Message:

INTEGRAL™ 821 is a clear and low melting film with very high flow characteristics and superior wet-out properties which provide good penetration into porous substrates. It can be used as an overlay for upgrading photographs.

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

General Characteristics:

Heat Activation Point: 175°F (79°C)

Yield: 208 sq ft/lb/mil (42.6 m²/kg/25 µm)

Available Colors: Clear only

Gauge Range: 3.5-5.0 mil (87-125 µm)

Width Range: 22-70 in (559-1778 mm)

General Information			
Appearance	Clear/Transparent		
Forms	Film		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	89	µm	
Film Thickness - Recommended / Available	3.5-5.0 mil (87-125 µ)		
Secant Modulus			ASTM D882
2% Secant, MD : 89 µm	42.7	MPa	
2% Secant, TD : 89 µm	42.1	MPa	
Tensile Strength			ASTM D882
MD : Break, 89 µm	15.2	MPa	
TD : Break, 89 µm	11.7	MPa	
Tensile Elongation			ASTM D882
MD : Break, 89 µm	300	%	
TD : Break, 89 µm	300	%	
Dart Drop Impact (89 µm)	550	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 89 µm	490	g	
TD : 89 µm	2100	g	
Film Width	55.88 to 177.80	cm	
Yield (25.4 µm)	41.0	m²/kg	
Heat Activation Temperature	79	°C	

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