

INTEGRAL™ 835

Polyolefin Adhesive Film
The Dow Chemical Company

Message:

INTEGRAL™ 835 Film is a coextrusion of two different heat-sensitive adhesive resins. One resin bonds to such substrates as polypropylene, polystyrene, and PVC. The other resin bonds to polyethylene, urethane foam, and fabrics. Thus, this film is particularly useful in bonding dissimilar substrates. New experimental films are continually being developed. Please discuss your particular application needs with your Dow representative.

General Characteristics:
Heat Activation Point (Inner): 215°F (102°C)
Heat Activation Point (Outer): 190°F (87°C)
Yield: 205 sq ft/lb/mil (42.0 m²/kg/25 µm)
Available Colors: Clear, Blue
Gauge Range: 2.0-6.0 mil (50-150 µm)
Width Range: 14-63 in (355-1600 mm)

General Information			
Appearance	Blue		
	Clear/Transparent		
Forms	Film		
Films	Nominal Value	Unit	Test Method
Film Thickness - Recommended / Available	2.0-6.0 mil (50-150 μ)		
Secant Modulus	ASTM D882		
2% Secant, MD	86.2	MPa	
2% Secant, TD	89.6	MPa	
Tensile Strength	ASTM D882		
MD : Break	22.1	MPa	
TD : Break	19.3	MPa	
Tensile Elongation	ASTM D882		
MD : Break	400	%	
TD : Break	500	%	
Elmendorf Tear Strength	ASTM D1922		
MD : 25 μm	90	g	
TD : 25 μm	140	g	
Film Width	356 to 1600	mm	Internal Method
Peel Strength - to Polystyrene Film (149°C) 1	472.8	N/m	
Yield (25.0 μm)	42.0	m²/kg	
Heat Activation Temperature			
Inner	102	°C	
Outer	88	°C	
NOTE			

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Recommended distributors for this material

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