

INTEGRAL™ 604

Polyolefin Adhesive Film

The Dow Chemical Company

Message:

INTEGRAL™ 604 Polyolefin Adhesive Film is a heat-activated adhesive film specifically formulated for bonding to copper on both sides of the film. It can also be used as a tie layer to bond two different substrates together.

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

General Characteristics:

Heat Activation Point: 212 °F (100 °C)

Yield: 208 ft²/lb/mil (42.6 m²/kg/25 µm)

Available Colors: Green

Gauge Range: 1.0-2.5 mil (25-64 µm)

Width Range: 16-60 inches (405-1525 mm)

General Information			
Appearance	Green		
Forms	Film		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	58	µm	
Film Thickness - Recommended / Available	1.0-2.5 mil (25-64 µ)		
Secant Modulus			ASTM D882
1% Secant, MD : 58 µm	151	MPa	
2% Secant, MD : 58 µm	128	MPa	
1% Secant, TD : 58 µm	163	MPa	
2% Secant, TD : 58 µm	131	MPa	
Tensile Strength			ASTM D882
MD : Yield, 58 µm	8.96	MPa	
TD : Yield, 58 µm	7.79	MPa	
MD : Break, 58 µm	21.4	MPa	
TD : Break, 58 µm	15.4	MPa	
Tensile Elongation			ASTM D882
MD : Yield, 58 µm	18	%	
TD : Yield, 58 µm	15	%	
MD : Break, 58 µm	400	%	
TD : Break, 58 µm	530	%	
Elmendorf Tear Strength			ASTM D1922
MD : 58 µm	200	g	
TD : 58 µm	310	g	
Film Width	406 to 1520	mm	
Yield			
25.0 µm	42.6	m ² /kg	
58.5 µm	18.8	m ² /kg	ASTM D4321
Heat Activation Temperature	100	°C	

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