

TRYCITE™ 8001

Polystyrene Film
The Dow Chemical Company

Message:

TRYCITE™ 8001 Polystyrene Film is a clear, high-gloss, oriented polystyrene film for use in lamination applications. Available in thicknesses of 1.0, 1.15, 1.25, 1.5, 2.0 and 2.5 mil.

General Information			
Forms	Film		
Films	Nominal Value	Unit	Test Method
Film Thickness - Recommended / Available	1.0; 1.15; 1.25; 1.5; 2.0; 2.5 mil (25; 29; 32; 38; 51; 63 μ)		
Secant Modulus			ASTM D882
1% Secant, MD	3000	MPa	
1% Secant, TD	2860	MPa	
Tensile Strength			ASTM D882
MD : Yield	74.5	MPa	
TD : Yield	68.3	MPa	
Tensile Elongation			ASTM D882
MD : Break	17	%	
TD : Break	6.0	%	
Dart Drop Impact	< 40	g	ASTM D1709
Elmendorf Tear Strength - TD (25 μm)	7.0	g	ASTM D1922
Shrink Tension			Internal Method
MD : 135°C, < 38.1 μm	1.65	MPa	
MD : 135°C, 50.8 to 63.5 μm	1.38	MPa	
TD : 135°C, < 38.1 μm	0.896	MPa	
TD : 135°C, 50.8 to 63.5 μm	1.72	MPa	
Yield			ASTM D4321
25.4 μm	37.0	m ² /kg	
29.2 μm	33.0	m ² /kg	
31.8 μm	30.0	m ² /kg	
38.1 μm	25.0	m ² /kg	
50.8 μm	19.0	m ² /kg	
63.5 μm	15.0	m ² /kg	
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	165		ASTM D2457
Haze	0.50	%	ASTM D1003

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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