

## 3M Envision™ 3635-70 Diffuser Film

Category : Polymer , Film

**Material Notes:**

2-mil, white vinyl film; Pressure sensitive adhesive adheres to rigid substrates; Create custom lighting effects for backlit applications; Control brightness and light distribution within light boxes without hotspots; Available in three transmission levels: 30%, 50% and 60%; Use with florescent bulbs or LEDs. Typically for best results, 3M recommends using: films 3635-30 and 3635-70 for fluorescent lighting applications. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Envision-3635-70-Diffuser-Film.php](http://www.lookpolymers.com/polymer_3M-Envision-3635-70-Diffuser-Film.php)

Physical Properties	Metric	English	Comments
Thickness	50.8 microns	2.00 mil	without adhesive
	76.2 - 102 microns	3.00 - 4.00 mil	with adhesive

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.2 MPa	2490 psi	
Peel Strength	>= 0.526 kN/m	>= 3.00 pli	Adhesion to Acrylic panels

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	16.0 °C	60.8 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	60 %	60 %	

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