

3M Scotchcal™ 50-12 Graphic Film

Category : Polymer , Film

Material Notes:

Film series 50 is a 3-mil calendered vinyl film, available in 28 colors. The film has a clear, pressure-sensitive film with a blue liner on the white films for easier visibility when wedding, and a white liner on all other film colors. Use this versatile film in both indoor and outdoor applications for thermal mass transfer and electronic cutting. It is removable with heat for up to three years and permanent for up to five years. This 3-mil film may be printed with thermal mass transfer and electronically cut. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchcal-50-12-Graphic-Film.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	without adhesive
	102 - 114 microns	4.00 - 4.50 mil	with adhesive

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 18.4 MPa	>= 2670 psi	
Peel Strength	0.526 kN/m	3.00 pli	Adhesion to Glass
	0.701 kN/m	4.00 pli	Adhesion to Acrylic
	0.701 kN/m	4.00 pli	Adhesion to Fruehauf pre-painted panel
	0.701 kN/m	4.00 pli	Adhesion to Polycarbonate
	0.877 kN/m	5.00 pli	Adhesion to Alodine, aluminum

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	38.0 °C	100 °F	
Minimum Service Temperature, Air	4.00 °C	39.2 °F	

Descriptive Properties	Value	Comments
Appearance	Black	

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