

## 3M Scotchcal™ 1000-19 Graphic Film

Category : Polymer , Film

**Material Notes:**

2-mil vinyl film; Wide color selection; Includes three colors with both a layflat liner and gray adhesive for excellent hiding power and a transparent film with a layflat liner; Pressure-sensitive adhesive; Confirms a flat surfaces, with and without rivets, moderate compound curves; Permanent film Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Scotchcal-1000-19-Graphic-Film.php](http://www.lookpolymers.com/polymer_3M-Scotchcal-1000-19-Graphic-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	0.701 kN/m	4.00 pli	Adhesion to ABS
	0.701 kN/m	4.00 pli	Adhesion to Acrylic enamel
	0.701 kN/m	4.00 pli	Adhesion to Urethane paints
	0.877 kN/m	5.00 pli	Adhesion to Chrome
	1.40 kN/m	8.00 pli	Adhesion to Aluminum, anodized

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	10.0 °C	50.0 °F	

Descriptive Properties	Value	Comments
Appearance	Deep mahogany brown	

## Contact Songhan Plastic Technology Co.,Ltd.

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