

3M Scotchcal™ 3690LF Graphic Film

Category : Polymer , Film

Material Notes:

This is a 2-mil white for black film for screen printing graphics. The aggressive, pressure sensitive-adhesive is well suited for graphics applied to sand cast, moderately rough surfaces and some low surface energy materials. Designed with a gray-pigmented adhesive for good hiding power, this permanent film provides long term durability in sever weather and handling conditions encountered by commercial and industrial graphics. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchcal-3690LF-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	0.526 - 1.05 kN/m	3.00 - 6.00 pli	Adhesion to Powder coat paint
	0.877 kN/m	5.00 pli	Adhesion to ABS
	0.877 kN/m	5.00 pli	Adhesion to Acrylic enamel
	0.877 kN/m	5.00 pli	Adhesion to Aluminum, etched
	0.877 kN/m	5.00 pli	Adhesion to Chrome
	0.877 kN/m	5.00 pli	Adhesion to Fiberglass
	1.05 kN/m	6.00 pli	Adhesion to Aluminum, anodized

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	32.0 °C	89.6 °F	
Minimum Service Temperature, Air	4.00 °C	39.2 °F	

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