

3M Controltac™ 3690C Graphic Film with Comply™ Adhesive

Category : Polymer , Film

Material Notes:

This is a 2-mil white, clear or black film for screen printing graphics. The aggressive, pressure activated-adhesive is slideable and repositionable, and has air release channels for fast and easy bubble-free application. The film 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 severe 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-Controltac-3690C-Graphic-Film-with-Comply-Adhesive.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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