

3M ScotchCal™ 3698E Graphic Film Material

Category : Polymer , Adhesive

Material Notes:

3M™ ScotchCal™ Graphic Film Materials 3690E and 3698E are flexible cast vinyl films suitable for conforming to curved and textured surfaces, including most low surface energy plastics and small diameter applications. These film materials utilize 3M™ Adhesive 320 which offers high initial tack and excellent adhesion to a variety of surfaces including high surface energy (HSE) and low surface energy (LSE) plastics such as polyethylene. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-ScotchCal-3698E-Graphic-Film-Material.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Adhesive
	50.8 microns	2.00 mil	Facestock

Mechanical Properties	Metric	English	Comments
Peel Strength	0.64642 kN/m	3.6875 pli	Polypropylene, 180° Peel, Initial, 48 hr dwell at RT; ASTM D3330
	0.877 kN/m	5.00 pli	Chrome, 180° Peel, Initial, 48 hr dwell at RT; ASTM D3330
	0.877 kN/m	5.00 pli	Acrylic Paint, 180° Peel, Initial, 48 hr dwell at RT; ASTM D3330
	0.877 kN/m	5.00 pli	ABS Plastic, 180° Peel, Initial, 48 hr dwell at RT; ASTM D3330
	1.0408 kN/m	5.9375 pli	Aluminum, 180° Peel, Initial, 48 hr dwell at RT; ASTM D3330
	1.118 kN/m	6.375 pli	Stainless Steel, 180° Peel, Initial, 48 hr dwell at RT; ASTM D3330

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	95.0 °C	203 °F	Permanent
	150 °C	302 °F	Short term
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	Short term
	-60.0 °C	-76.0 °F	Permanent
	10.0 °C	50.0 °F	Application

Processing Properties	Metric	English	Comments
Shelf Life	24.0 Month	24.0 Month	

Processing Properties	Metric	English	Comments
Descriptive Properties	Value		Comments
Adhesive Type	320 High Tenacity Acrylic		
Liner	Yellow Glassine Liner		

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