



3M™ Polyester Overlaminating Film C22CI

Product Data Sheet

November 2011
Supersedes : March 2007

Product Description 3M Polyester Overlaminating Film C22CI is a 23 micron overlaminating film designed to provide durability and matt appearance to printed information and graphics.

Product Descriptor / Dispatch Labelling C22CI O/L Matt PET23 / HP100 / 72WK

Physical Properties

Not for specification purposes
(Calipers are nominal values)

Facestock	23 micron matt clear polyester
Adhesive	20 micron acrylic
Liner	90 micron, 70 g/m ² white polycoated kraft

Key Features

- Polyester overlaminating film can be applied to printed labels and graphics to improve durability.
- Matt polyester facestock provides high abrasion, U.V. and chemical resistance
- Polycoated kraft liner helps maintain adhesive clarity

Application Ideas

- Protective overlaminate for label and nameplate graphics that can be used on appliances, industrial equipment, tools etc.
- Graphics requiring a matt appearance.

Performance Characteristics

Not for specification purposes

Standard Test Conditions are 23°C and 50% Relative Humidity

180° Peel Adhesion tested using FINAT Test Procedure FTM 1 (300mm/min)
90° Peel Adhesion tested using FINAT Test Procedure FTM 2 (300mm/min)

Adhesion	20 Minutes at Standard Conditions	
	180° Peel N/25mm	90° Peel N/25mm
Stainless Steel	13.3	10.6

Liner Release tested using FINAT Test Procedures
FTM 3 (180° removal of liner from face material at 300mm/min)
FTM 4 (180° removal of liner from face material at 10m/min)

Liner Release	Rate of Removal	Release Force	Units
FTM 3	300 mm per min	19.8	cN/50mm
FTM 4	10 m per min	12.7	cN/25mm

3M™ Polyester Overlaminating Film C22CI applied to polyester labelstock

Service Temperature	-40 to 150°C
----------------------------	--------------

Processing

Printing:

Facestock is not print treated.

Die Cutting:

Rotary die cutting is recommended after lamination. Fanfolding of labels is not recommended. Small labels should be evaluated carefully. Winding tensions should be kept at a minimum to help prevent the adhesive from oozing.

Packaging:

Finished labels should be stored in plastic bags.

Special Considerations

For maximum bond strength, the surface should be clean and dry. Isopropyl alcohol is a typical cleaning solvent.

NOTE: When using solvents, read and follow the manufacturer's precautions and directions for use.

For best bonding conditions, application surface should be at room temperature or higher. Low temperature surfaces can cause the adhesive to become so firm that it will not develop maximum contact with the substrate. Higher initial bonds can be achieved through increased rubdown pressure.

Storage

Store at standard room temperature conditions of 21°C and 50% relative humidity.

Shelf Life

24 months from date of dispatch by 3M when stored in the original packaging at 21°C & 50 % relative humidity

For Additional Information

To request additional product information or to arrange for sales assistance, please see below for contact details.

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law

Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations

3M is a trademark of 3M Company.

**3M Svenska AB
Industri**

Bollstanäsvägen 3
191 89 Sollentuna
Tel: 08-92 21 00
Fax: 08-92 22 88
E-post:
kundservice@mmm.com
www.3M.se/tejp

**3M a/s
Industri**

Hannemanns Allé 53
2300 København S
Tlf.: 43 48 01 00
Fax.: 43 20 15 65
E-mail:
dkindustri@mmm.com
www.3Mindustri.dk

**3M Norge AS
Avd. Industri**

Hvamveien 6
2013 Skjetten
Tel: 0 63 84
Fax: 63 84 17 88
E-post:
Kundeservice@mmm.com
www.3M.no/tape

**Suomen 3M Oy
Teollisuustuotteet**

PL 600
Keilaranta 6
02151 Espoo
Puh: 09-525 21
Fax: 09-525 2279
<http://www.3M.fi/teollisuus>