



Polyester Overlaminating Film 7746

Product Data Sheet

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Product Description

3M™ Polyester Overlaminating Film 7746 is a 23 micron overlaminating film designed to provide durability and gloss appearance to printed information and graphics.

Product Descriptor / Dispatch Labelling

7746 O/L GC PET23 / HP100 / 72WK

Physical Properties

Not for specification purposes
(Calipers are nominal values)

Facestock	23 micron gloss 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.
- Gloss polyester facestock provides high abrasion, U.V. and chemical resistance
- Polycoated kraft liner helps maintain adhesive clarity
- UL Recognized (File MH15470) when applied to polyester labelstocks.

Application Ideas

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

Performance Characteristics Standard Test Conditions are 23°C and 50% Relative Humidity
Not for specification purposes

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 7746 applied to polyester labelstock

Service Temperature	-40 to 150°C
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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, call.....
Address correspondence to: 3M

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