



7746 3M O/L GC PET23-310E-72WK

Overlaminating Polyester Label Material

Product Data Sheet

Issued	:	February 2004
Supersedes	:	New

Physical Properties

Not for specification purposes
(Calipers are nominal values)

Facestock	23 micron Gloss polyester
Adhesive	21 micron U.V. stable, permanent acrylic
Liner	82 micron, 72 gsm White Polycoated Kraft
Shelf Life	12 months from date of despatch by 3M when stored in the original carton at 21°C & 50% Relative Humidity

Features:

- U.V stable permanent acrylic adhesive
- 72gsm Polycoated liner helps maintain adhesive clarity
- Gloss PET facestock provides high abrasion, U.V. and solvent resistance

Application Ideas:

- Protective overlamine for label and nameplate graphics
- Can be used on appliances, industrial equipment, tools, etc.
- Label requiring gloss appearance

Date: February 2004
 7746 3M O/L GC PET23-310E-72WK
 Overlaminating Polyester Label Material

**Performance
 Characteristics**

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

180o Peel Adhesion to Glass	15 N/25mm	FINAT 1
Loop Tack to Glass	12 N/25mm	FINAT 9

Tensile Strength, Machine Direction Transverse Direction	29 kpsi 37 kpsi	ASTM D882A
Elongation at Break Machine Direction Transverse Direction	160 % 100%	ASTM D882A
Thermal Shrinkage Machine Direction Transverse Direction	3.5 % 3.5 %	Unrestrained @ 190°C for 5 minutes
Haze	10 – 20 %	ASTM D1003

Temperature Range Service Temperature Minimum Application Temperature	-40 to 150°C 5°C
--	---------------------

Date: February 2004
 7746 3M O/L GC PET23-310E-72WK
 Overlaminating Polyester Label Material

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. Typical cleaning solvents are heptane and isopropyl alcohol.

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, below 5°C 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.

3M is a trademark of the 3M Company.

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.

* Trademarks listed are the property of their respective owners



Tapes & Adhesives Group

© 3M United Kingdom PLC 2003

3M United Kingdom PLC
 3M Centre, Cain Road
 Bracknell, Berkshire,
 RG12 8HT

Product Information :
 Tel 0870 60 800 50
 Fax 0870 60 700 99

3M Ireland
 3M House, Adelphi Centre,
 Upper Georges Street,
 Dun Laoghaire, Co. Dublin,
 Ireland

Customer Service :
 Tel (01) 280 3555
 Fax (01) 280 3509