



# Pavement Marking Tape

## 4746

### Technical Data

August, 1995

<b>Product Description</b>	A glass bead polymeric tape used for lane marking on most concrete and asphalt surfaces.
----------------------------	--

Construction	Backing	Adhesive	Colors	Standard Roll Length
	Glass beads bonded to a pliant polymer	Rubber	Yellow, White	36 yds. (33 m)
	Standard Widths Available:	2,3,4 in. (50, 75, 100 mm)		

Typical Physical Properties and Performance Characteristics	Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.		ASTM Test Method
	Adhesion to Steel:	70 oz./in width (77 N/100mm)	
Total Tape Thickness	68.6 mils (1.74 mm)		<b>D-3652</b>
Backing Thickness:	63.5 mils (1.61 mm)		<b>D-3652</b>
Tensile Strength:	14 lbs./in. (250 N/ 100mm)		<b>D-3759</b>
Elongation:	80%		<b>D-3759</b>
Skid Resistance:	45 BPM		<b>E-303</b>

<b>General Information</b>	The performance life of pavement markings will depend on a variety of factors including:
----------------------------	--

- 1) traffic conditions
- 2) snow removal practices
- 3) pavement surfaces
- 4) application techniques

- The shelf life for 3M 4746 tape is 18 months from the date of manufacture when stored in a clean, dry environment between 60-80°F (15-27°C) and 40-50% relative humidity.
- For best results, product should be installed according to Application Techniques for 3M™ brand 3M 4745 and 3M 4746 Pavement Marking Tapes Technical Service Bulletin.
- Patchability: Heavy traffic and snow plowing may cause wear and damage. New materials can be installed in these areas with minimal surface preparation by following the manufacturer's recommendations.

# Pavement Marking Tape

4746

---

## Application Ideas

- To mark lane lines, edge, channelizing lines, etc., in warehouse, loading docks, entrances/exits, stairs/stairways, garages and parking lots.

---

### Features

- Durable backing
- Conformable construction
- Reflective
- Pressure sensitive adhesive
- Weather resistant

### Advantages

- Resistant to wear and abrasion
- Follows contours
- Retroreflective
- Quick and easy to apply
- Resistant to outdoor conditions

### Benefits

- Long performance
  - Improved ability to direct traffic as needed
  - Can be viewed in limited light
  - Helps reduce labor and time needed to apply
  - Ability to use indoors or out
- 

## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-227-5085. Address correspondence to : 3M, Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55411-1000. Our fax number is 612-733-9175. in Canada, phone: 1-519-451-2500. in Puerto Rico, phone:1-809-750-3000. In Mexico. Phone: 5-728-0400.

---

## Important Notice

3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M ITSD product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M ITSD product. Given the variety of factors that can affect the use and performance of a 3M ITSE product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M ITSD product to determine whether it is fit for a particular purpose and suitable for the user's method application.

---

## Limitation of Remedies and Liability

If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.

---

ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

# 3M

## Industrial Tape and Specialties Division

3M Center, Building 220-7E-01  
St. Paul, MN 55144-1000

*Recycled Paper*  
40% pre-consumer  
10% post-consumer

Printed in U.S.A.  
Copyright © 1999, 3M IPC. All rights reserved.  
70-0704-8479-8