



Thermal Transfer Ribbons Series TTR2300

Product Bulletin TTR2300

August 2011

Description

3M™ Thermal Transfer Ribbons in Series TTR2300 (the “Ribbons”) are premium, durable, polymer and pigment composition dry ink material. The ribbons are available in: (a) spot traffic colors; and (b) process colors.

Characteristics

Spot Traffic Colors

TTR2303 Traffic Blue
TTR2305 Traffic Black (also a process color)
TTR2307 Traffic Brown
TTR2308 Traffic Green
TTR2312 Traffic Red

Process Colors

TTR2314 Yellow
TTR2315 Magenta
TTR2316 Cyan

Roll widths: 178 – 914 mm

Roll lengths: 150 – 500 m

Roll dimension options vary by color for Spot Traffic Color and Process Color Ribbons. Please contact 3M for specific dimension options by color.

Application

All ribbons are intended for use with Matan thermal transfer printers including the Matan Sprinter, Matan SprinG3 or Matan Spot4 (“Designated Printers”).

Spot traffic color ribbons are suitable for the production of MUTCD regulated traffic signs (“Regulated Traffic Signs”) if: (a) a designated printer is used to apply that ribbon to one of the two 3M Reflective Sheeting Products identified below; and (b) the printed traffic color ribbon is then covered with the 3M overlamine film (“Overlamine”) identified below.

3M Reflective Sheeting Products

3M™ High Intensity Prismatic Reflective Sheeting White 3930TT and Yellow 3931TT

3M™ Diamond Grade™ DG³ Reflective Sheeting White 4090TT and Yellow 4091TT

3M Overlamine Film

3M™ ElectroCut™ Film 1170

Spot traffic color ribbons may also be used in signage other than regulated traffic signs.

Process color ribbons are suitable for the production of signage other than regulated traffic signs. They print well on a variety of 3M reflective sheeting products,

including those identified above. They can produce images with dramatic eye appeal resulting from the combination of reflectivity and full color images. Signs produced with process color ribbons may retain their color and reflectivity longer if the overlamine is used.

Before handling or using any product, read all health hazard, precautionary and first aid statements found in any applicable Material Safety Data Sheet and/or product label.

Ribbon Storage

All ribbons must be stored in their original package in an area with a constant temperature between 65-75°F (18-24°C) and 30-50% relative humidity and should be fabricated into a sign within one year after the sign fabricator receives the ribbon.

Disclaimer

With the exception of 3M branded products, 3M does not represent that any printer or printer accessory recommended in 3M Literature will meet customer requirements, any federal, state or local regulations or any applicable safety standards. Such determination is the responsibility of the printer owner. For a buyer’s convenience, 3M may provide engineering or technical information, recommendations, certifications and other information or materials relating to other company’s product (“Other Information”), but 3M does not warrant other information, including but not limited to, its accuracy or completeness.

Environmental, Health and Safety

⚠ CAUTION: When handling any chemical products, read the manufacturers’ container labels and the Material Safety Data Sheets (MSDS) for important health, safety and environmental information. To obtain MSDS sheets for 3M products, go to 3M.com/MSDS, or by mail or in case of an emergency, call 1-800-364-3577.

When using any equipment, always follow the manufacturer’s instructions for safe operation.

Ventilation

Provide local and/or general exhaust ventilation in print production areas to prevent a build-up of ozone and ink vapors, and to maintain levels below worker exposure

limits. An experienced industrial hygienist can help evaluate your ventilation requirements and design based on your site process conditions.

Please refer to the printer manufacturer's literature for additional details and requirements.

Air Quality Regulations

Consult federal, state and local air quality regulations that may regulate or restrict product use.

Limited Warranty & Limited Remedy

1. Basic Warranty – All 3M ribbons are warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in this product bulletin.
2. Regulated traffic signs made with 3M Reflective Sheeting Products designated in this bulletin, and 3M matched component materials including spot traffic color ribbons and overlaminates, will have the 3M warranty stated in the applicable product bulletin.
3. For a buyer's convenience, 3M may provide engineering or technical information, recommendations, installation instructions, and other information or materials relating to Products and other components ("Other Product Information"), but 3M does not warranty the accuracy or completeness of any other product information or make any other warranty, except as noted above. Any warranty is contingent on all 3M matched component materials being stored, applied, installed, or used only as 3M recommends in its product bulletins and other product information.
4. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, THE 3M WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, RIGHTS OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND THOSE ARISING FROM A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. A BUYER

IS RESPONSIBLE FOR DETERMINING IF A PRODUCT IS SUITABLE FOR ITS PARTICULAR PURPOSE AND APPLICATION METHODS.

5. If any regulated traffic sign is proven not to have met the 3M warranty during the applicable warranty period, then a buyer's exclusive remedy, and 3M's sole obligation, is stated in the applicable product bulletin.

Literature References

For additional application information please refer to the following:

PB 3930 3MT™ High Intensity Prismatic Reflective Sheeting Series 3930

PB 4000 3M™ Diamond Grade™ DG³ Reflective Sheeting Series 4000

PB 1170 3M™ ElectroCut™ Film Series 1170

Limitation of Liability

3M WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO A BUYER FOR DIRECT (other than the applicable Limited Remedy stated above), SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS) IN ANY WAY RELATED TO A PRODUCT OR THIS PRODUCT BULLETIN, REGARDLESS OF THE LEGAL OR EQUITABLE THEORY ON WHICH SUCH DAMAGES ARE SOUGHT.

FOR INFORMATION OR ASSISTANCE CALL:

1-800-553-1380

IN CANADA CALL:

1-800-265-1840

Internet:

www.3M.com/tss

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