

TECHNICAL DATA SHEET

RayMark Six labels

| | |
|---------------------------------------|--|
| MATERIAL DESCRIPTION: | Computer-printable zero halogen label material. Permanent pressure sensitive acrylic adhesive. Thermally stabilised white polyester film with special ink receptive latent cure epoxy coating on the label surface. After printing, the surface is heat cured, embedding the image within a tough polymeric layer. |
| USE: | RayMark Six labels have outstanding abrasion and fluid resistance without the need for an overlay. Ideal for applications where high performance variable data labels are needed, for example in defence, marine, rail and aerospace applications. Can be used as a wire/cable wraparound marker for substrates not less than 6mm (0.25 inches) diameter. Not recommended for outdoor use. |
| PRINT METHOD/RIBBON: | Dot Matrix: Tyco LQ870, Tyco TMS-SYSTEM-SIX-RIBBON-A. |
| CURING CONDITIONS: | 5 minutes at 150°C (302°F) in an air circulating oven. Small curing unit with automatic drive available ("Permatizer"). Curing also possible with hot air gun. Contact Tyco for details. |
| SHELF LIFE/STORAGE CONDITIONS: | Can be stored unopened for 12 months at temperatures not exceeding 35°C (95°F). Once opened, product should be stored below 25°C (77°F) and 80% relative humidity and used within 6 months. |
| SERVICE TEMPERATURE: | Wiring marking: -40°C to +85°C (-40°F to +185°F) continuous. Panel marking: -40°C to +105° (-40°F to +221°F) continuous. Excursion Temperature: 200°C (392°F) for 2 hours. |
| INSTALLATION TEMP: | +10°C to +40°C (+50°F to +104°F). |
| COLORS: | White. |

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PERFORMANCE:

| PROPERTY | TEST METHOD | RESULT |
|--|--|---|
| Tensile Strength | ASTM D882 | 200N/25mm |
| Fungus Resistance | BS2011 Part 2.1 JV1 | Rating 1 (max) |
| Weathering, carbon arc Weatherometer | 1500h, BS3900 F3 | Legible, <3 gray scale change, 15 N/25mm adhesion |
| Light fastness, xenon arc | 250h, ASTM G26A | Legible, <3 gray scale change, 20 N/25mm adhesion |
| Continuous humidity | 168h, 40°C (104°F)/95% RH JEDEC 22A101-A | Legible, 15 N/25mm adhesion |
| Salt spray resistance | 30days at 35°C (95°F), ASTM B117 | Legible, 15N/25mm adhesion |
| Thermal Ageing | 168h at 150°C (302°F), ISO 188 | Legible, 30N/25mm adhesion |
| Thermal cycling | 10 cycles, -55°C (-67°F) to 150°C (302°F), MIL-STD-810 503.3 | Legible, 25N/25mm adhesion |
| Low temperature impact | RTM 2592 | No cracking |
| Dry abrasion resistance | 500 cycles, 500g, CS10 wheel BS4781-1990 A7 | Legible |
| Toxicity index | NES 713 | 2.8 |
| Smoke index | NES 711 | 4 |
| Oxygen index | NES 714 | >29 installed |
| Adhesion to: Stainless steel Stainless Steel Aluminum Acrylic Paint ABS Nylon PVC | FINAT FTM1, 23°C FINAT FTM1, 85°C FINAT FTM1, 23°C FINAT FTM1, 23°C FINAT FTM1, 23°C FINAT FTM1, 23°C FINAT FTM1, 23°C | 15 N/25mm 10 N/25mm 20 N/25mm 20 N/25mm 20 N/25mm 15 N/25mm 15 N/25mm |

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PRINT PERMANENCE:

| THREAT | TEST METHOD | RESULT |
|--|---|---|
| White spirit /IPA mixture 23°C (73°F) | MIL-STD-202F 215F | Legible |
| <u>Fluid splash resistance:</u> Brake fluid 23°C (73°F) Petrol 23°C (73°F) | RW 2029 RW 2029 | Legible Legible |
| <u>Fluid Immersion (followed by peel test):</u> Methylated spirit 24h 23°C (73°F) Isopropyl alcohol 24h 23°C (73°F) Petrol 24h 23°C (73°F) Hydraulic fluid 28 days 50°C (122°F) Lubricating oil 28 days 50°C (122°F) Hydraulic fluid 24h 23°C (73°F) Aviation Fuel 24h 23°C (73°F) Diesel fuel 24h 23°C (73°F) Boiling water 2h | MIL-M-81531 4.6.2 MIL-M-81531 4.6.2 MIL-M-81531 4.6.2 MIL-M-81531 4.6.2 MIL-M-81531 4.6.2 MIL-M-81531 4.6.2 MIL-M-81531 4.6.2 MIL-M-81531 4.6.2 MIL-M-81531 4.6.2 | Legible; min 15N/25mm adhesion Legible; min 15N/25mm adhesion Legible; min 5N/25mm adhesion Legible; min 15N/25mm adhesion Legible; min 15N/25mm adhesion Legible; min 15N/25mm adhesion Legible; min 15N/25mm adhesion Legible; min 15N/25mm adhesion Legible; min 15N/25mm adhesion |

Note: see Tyco specification RW2029 for full performance & dimensional details.

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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
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- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
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Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru