

R510C

Durable Color Resin



Product Description

Available in four standard colors, this is the industry's toughest color resin ribbon. It is capable of handling extreme environmental labeling and is perfect for card printing. Plus the blue, red, and green ribbons are UL recognized.

Standard Colors



Blue PMS 2935C*



Red PMS 185C*



Green PMS 347C*



Matte Silver PMS 877C*

Pantone® Matching System (PMS)

*Colors may vary by substrate

Recommended Applications



Automotive



Chemicals



Compliance



Electronics



Product Features

Abrasion Resistant	✓
High-density	✓
Printhead Protection	✓
Proprietary Backcoat	✓
Solvent Resistant	✓

DNP

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Product Specifications

Wax

TR4085plus® Premium Resin-Enhanced
MP Wax
Half Inch

Wax/Resin

MP Mid
TRX-55 Premium
TRX-50 General Purpose
M260 Ultra Durable

Resin

V300 Versatility Defined™ Resin
R300 General Purpose
R510HF Ultra Durable
R395 Textile
R316 Specialty
R550 Extreme Durable
TR4070 Classic

Near Edge

M295HD High Density Wax/Resin
TR4500 Premium Wax/Resin
R390 Resin
R396 High Speed Durable Resin

Colors & Metallics

TR3021 General Purpose Red Wax
TR3022 General Purpose Blue Wax
TR3023 General Purpose Green Wax
R510C Durable Color Resin
R510W Durable White Resin
TR3370 High Opacity White Resin
VR301 Durable Metallic Color Resin
M295C Specialty Near Edge Wax/Resin
Color

Recommended Substrates

Economy Synthetics	Polyester Polypropylene
Specialty Materials	PET Cards Polyimide PVC Cards

Ribbon Properties

Ink	Resin			
	Blue	Red	Green	Silver
Base Film Thickness	4.5 ± 0.4μ	4.5 ± 0.4μ	4.5 ± 0.4μ	4.5 ± 0.4μ
Ink Thickness	2.3 ± 0.4μ	2.9 ± 0.4μ	2.9 ± 0.4μ	2.1 ± 0.4μ
Total Thickness	6.8 ± 0.8μ	7.4 ± 0.8μ	7.4 ± 0.8μ	6.6 ± 0.8μ
Ink Transfer Temperature (uncoated tag)	213°C (415°F)	181°C (357°F)	224°C (435°F)	246°C (475°F)

Product Compliance

- Compliant with REACH, RoHS and FDA (indirect food contact) regulations
- BS5609 certified and GHS compliant with FLEXcon DRUMcal 51932 and MACtac® FCD6914 (R510C red only)
- Halogen-free
- UL and cUL Labeling References (blue, green and red only):
 - 3M file #PGJ12.MH16411, PGJ12.MH18072, PGJ12.MH45276
 - Avery file #PGJ18.MH17205, PGJ18.MH20558, PGJ18.MH20580, PGJ18.MH27538
 - FLEXcon file #PGJ12.MH16635

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