

# R510HF

Ultra Durable Resin



## Product Description

This halogen-free ribbon is one of the toughest resin ribbons on the market. It's the only halogen-free ribbon capable of handling extreme environmental labeling with unmatched scratch and solvent resistance. Designed with our standard anti-static and backcoat properties to protect the printhead, this product has unbeatable edge definition for crisp, extremely durable and dense barcodes for harsh environments.



## Recommended Applications



Automotive



Chemicals



Compliance



Electronics



Food &  
Beverage



Health &  
Beauty



Inventory &  
Logistics



Outdoor



Pharmaceutical



Retail

## Product Features

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

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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
Specialty Materials	PET Cards Polyimide PVC Cards Top-coated Vinyl

## Ribbon Properties

Ink	Resin
Color	Black
Base Film Thickness	4.5 ± 0.4µ
Ink Thickness	2.4 ± 0.5µ
Total Thickness	6.9 ± 0.9µ
Ink Transfer Temperature	Uncoated Tag 202°C (396°F)

## Product Compliance

- Compliant with REACH, RoHS and FDA (indirect food contact) regulations
- BS5609 certified and GHS compliant with FLEXcon DRUMcal 51932
- Halogen-free
- UL and cUL Labeling References:
  - 3M file #PGJ12.MH16411, PGJ12.MH18072, PGJ12.MH45276
  - Avery file #PGJ18.MH17205, PGJ18.MH20558, PGJ18.MH20580, PGJ18.MH26285, PGJ18.MH27538
  - FLEXcon file #PGJ12.MH16635

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