

# Full Resin Thermal Transfer Ribbon

## High Durability for Heavy Duty Labeling Applications



Automotive



Chemical



Industrial



Durable Goods



Electronics



Medical



Pharmaceutical

### Benefits

- Versatile - prints on a wide range of synthetics and papers
- Produces dark black images with exceptional sharpness
- Excellent scratch and smudge resistance
- Resists chemicals for cleaning and manufacturing
- Withstands high heat and steam
- Endures outdoor exposure; carbon black is UV stable
- UL and cUL recognition on specific label stocks
- Anti-static formula and unique backcoat protects the printhead

### Recommended Stocks

#### Synthetics

- PP / Polypropylene
- PE / Polyethylene
- PET / Polyester
- Nylon
- Polyimide
- Vinyl

### Applications

- Asset tracking
- Care tag
- Compliance labeling
- Component identification
- Chemical resistant
- Frozen/cold/wet
- Industrial
- Medical devices
- Name/rating plates
- Outdoor
- Product identification
- Safety/warning
- Shipping
- Shrink wrap
- Specimen identification
- UL

### Technical Specifications

Film Thickness ..... 4.5 Microns  
Total Ribbon Thickness ..... 6.2 Microns  
Transmission Density ..... 1.0 MacBeth Scale  
Ink Melting Point ..... 110°C / 230°F

### Imaging Characteristics

Printer ..... Flathead  
Max Print Speed ..... 8 IPS (203 mm/s)  
Image Darkness ..... >2.2 RD (densitometer)  
Heat Resistance ..... 300°C / 500°F

### UL and CSA Labeling Reference

Avery Fasson: UL MH17205, CSA 97198  
FLEXcon: UL MH16635, CSA 99214  
MacTac: UL HM26727  
3M: UL MH16411

### Compliance

- REACH / SVHC 1907/2006/EC
- EU Food Contact 1935/2004/EC
- US Food Contact FDA
- RoHS / Heavy Metals 2011/65/EU
- Halogens IEC 61249-2-21:2003
- UL 969
- BS 5609

### Storage Conditions

12 months recommended  
20-85% Relative Humidity Rate, 23-104°F (-5-40°C)

### Performance Ratings

