

R410D-White Ultra Opaque White resin

Product Description

Printing White Opaque variable information on dark labels is always a challenge with thermal transfer. "Pale Grey or Bright White?": most of the durable white ribbons available on the Market can never be 100% white. R410D-White is a double layer White + White ribbon that will offer unique opacity to print variable information on dark (even black Polyester) labels or on clear labels applied on dark surfaces.

Recommended Applications



Electronics

Recommended Substrates

Economy Synthetics	Polypropylene
	Vinyl
	Polyethylene
	Polyesters
Specialty Materials	PVC cards
	PET cards

Performance Characteristics

- High density
- Excellent hiding property
- Excellent scratch resistance
- Good solvent resistance
- Anti-static property
- UL Recognized

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Ribbon Properties

Description	Result	Test Method
Ink	Resin	
Color	White	Visual
Total Thickness	11.2 ± 1.0µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Coated Layers	6.4 ± 0.7µ	Micrometer
Ink Melting Point	80°C/90°C (176°F/194°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: FLEXCon Thermfilm Black Polyester

Print Speed: 4 IPS

Description	Result	Test Method
Print Density	- 2.11	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 100 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 50 Cycles @ 200 Grams with Stainless Steel Pointed Tip

*American National Standard Institute (ANSI) Grade Levels A, B, C, D, and F, where A is excellent, B is above average, C is average, D is below average, and F is poor.

Conversion Chart

Millimeters (mm) to Inches = mm ÷ 25.4	Inches to Millimeters (mm) = Inches × 25.4
Meters (m) to Feet (ft) = m × 3.2808	Feet (ft) to Meters (m) = Feet ÷ 3.2808
C° to F° = (1.8 X C°) + 32 = F°	F° to C° = (F° ÷ 1.8) - 17.77
Thousand square inches (MSI) to m ² = MSI X 0.645	MSI = m ² ÷ 0.645



The information on this data sheet was obtained in DNP laboratories. Measured values may vary slightly when tested in a different environment. Information contained within this document is subject to change without notification.