



PEAK ULTRA EXTREME RESIN

Thermal Transfer Ribbon

Product Description

PEAK Ultra Extreme Resin ribbon has no substitute – it’s the toughest resin ribbon on the market. PEAK Ultra Extreme is the only resin ribbon capable of handling extreme environmental labeling with PEAK’s unmatched scratch and solvent resistance. Designed with PEAK’s standard anti-static and back coat properties to protect the print head, PEAK Ultra Extreme is the ribbon to use for clean, crisp, extremely durable, and dense harsh environmental bar codes.

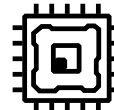
Recommended Applications



AGENCY



EXTREME ENVIRONMENT



CIRCUIT BOARD



CHEMICAL DRUM



AUTOMOTIVE



SIGNAGE



ELECTRONIC COMPONENTS



PRODUCT IDENTIFICATION



ASSET TRACKING

Recommended Substrates

Polyester, polypropylene, PVC cards, PET cards

Performance Characteristics

- Toughest resin ribbon on the market
- Unmatched in abrasion and solvent resistance
- UL/CSA recognized
- High density printing
- Anti-static for easy handling and extended print head life
- Available in colors and metallics
- PEAK’s specialty formulated back coating for print head protection

PEAK TECHNOLOGIES

PEAK Technologies is the leading systems integrator of bar code based data collection and printing systems, wireless transaction processing and mobile solutions supported by a wide range of consumables, maintenance and service options.

Contact PEAK

1.877.406.5345

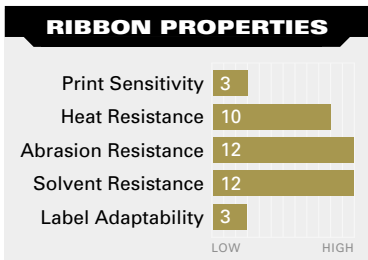
www.peaktech.com

RESIN

TECHNICAL DATA SHEET

PEAK PERFORMANCE THERMAL TRANSFER RIBBONS

PRODUCTS	
WAX	PEAK General Purpose Wax
WAX/RESIN	PEAK Premium Wax/Resin
RESIN	PEAK Ultra Premium Resin
	▶ PEAK Ultra Extreme Resin



RIBBON SPECIFICATIONS

DESCRIPTION	TECHNICAL SPECIFICATIONS
Ink	Resin
Color	Black, Colors, Metallics
Ink Thickness	1.8 ± 0.4μ
Base Film Thickness	4.5μ
Ribbon Thickness	8.3 ± 0.8μ
Ink Melting Point	166°C–168°C (330.8°F–334.4°F)
Print Density	>1.9

PERFORMANCE OF PRINTED IMAGE

DESCRIPTION	TECHNICAL SPECIFICATIONS
Tested Substrate	FLEXcon THERMAfilm® SELECT™ 21830
Abrasion Resistance Test (TEST METHOD: Standardized Abrasion Test Wheel)	100 cycles @ 500g covered CS-10
Solvent Resistance Test (TEST METHOD: Crockmeter)	WATER 1000 cycles @ 248g covered with cloth*
	IPA 1000 cycles @ 248g covered with cloth*
	KEROSENE 400 cycles @ 248g covered with cloth*
	BRAKE FLUID 300 cycles @ 248g covered with cloth*
	GASOLINE 100 cycles @ 248g covered with cloth*
Heat Resistance	<180°C (<356°F)
Print Speed Range	2 to 10 IPS

CONVERSION CHART

mm to in.	(mm ÷ 25.4)	in. to mm	(in. ÷ 0.03937)
m to ft.	(m ÷ 0.3048)	ft. to m	(ft. ÷ 3.2808)
C° to F°	[(1.8 x C°) + 32]	F° to C°	[(F° ÷ 1.8) – 17.777]
in. to m	(MSI ÷ 0.645)	m ² to MSI	(m ² x 0.645)

RIBBON STORAGE CONDITIONS

Temperature	5°C to 35°C (41°F to 95°F)
Humidity	10% to 85% relative humidity
Light	Avoid direct sunlight

*Highest number of cycles where ANSI grade A can still be scanned.

Measured values may vary slightly when tested under different environments. Information subject to revisions without notification. THERMAfilm® and SELECT™ are registered trademarks of FLEXcon. MSDS is available upon request.

www.peaktech.com

RESIN

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