

B-ribbon™

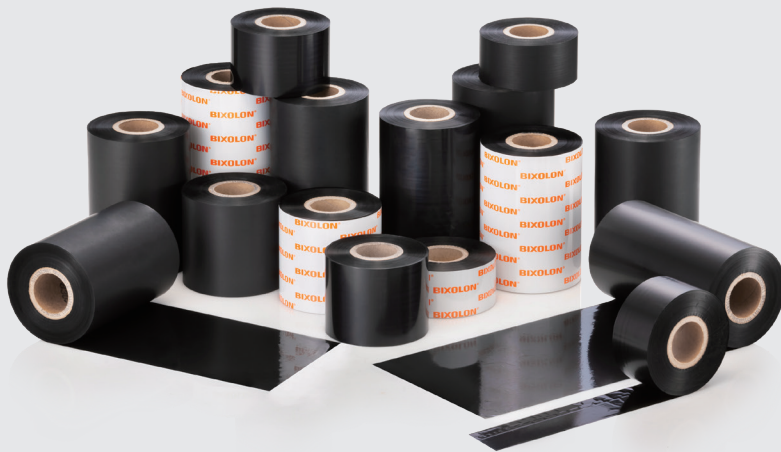
Ribbon for Thermal Transfer Label Printers



Warehouse Logistics Manufacturing Retail

Excellent Print Quality and Resistance

203 dpi 300 dpi 600 dpi



The B-ribbon™ available in Wax, Wax/Resin and Resin versions are compatible with BIXOLON Thermal Transfer Label Printers. Perfect for applying labels around harsh chemicals (laboratories, factories), extreme temperatures (freezers, factories), or outdoors. BIXOLON's three grades of ribbon are available in two classes balancing value and performance.

Prevent your labels from smearing, smudging, getting scratched, or damaged by temperature with BIXOLON B-ribbon™.

B-ribbon™ Wax

- Standard

BR-WX11 is a standard wax ribbon that matches the basic criteria required for short-term Thermal Transfer labelling of goods or equipment.

- Premium

BR-WX12 provides higher resistance to scratching, smearing and some chemicals compared to the standard wax ribbon, suitable for shipping labels, pricing labels, and indoor use.

B-ribbon™ Wax/Resin

- Standard

BR-WR11 is a mid-range ribbon good for coated tags, paper, able to print at lower heats at fast speeds, suitable for short-term outdoor use.

- Premium

BR-WR12 is a premium wax/resin ribbon designed for dense, high definition images with superior edge quality and excellent durability on coated, synthetic, and high gloss receiver materials.

B-ribbon™ Resin

- Standard

BR-RS11 is a cost-effective alternative to the premium resin ribbon combining performance and competitive pricing, suitable for demanding applications.

- Premium

BR-RS12 offers optimum printing quality in a range of harsh environments. It resists damage from tough chemicals, including petroleum and withstands high temperatures.

B-ribbon™

Ribbon for Thermal Transfer Label Printers

Specifications

Product Line	B-ribbon™ Wax		B-ribbon™ Wax/Resin		B-ribbon™ Resin	
	Standard	Premium	Standard	Premium	Standard	Premium
Model Name	BR-WX11	BR-WX12	BR-WR11	BR-WR12	BR-RS11	BR-RS12
Inner Core	0.5 or 1 inch	0.5 or 1 inch	0.5 or 1 inch	0.5 or 1 inch	0.5 or 1 inch	0.5 or 1 inch
Width	30-110 mm	30-110 mm	30-110 mm	30-110 mm	30-110 mm	30-110 mm
Length	300, 450, 600 m	300, 450, 600 m	300, 450, 600 m	300, 450, 600 m	300, 450, 600 m	300, 450, 600 m
Print Resistance	30	38	50	58	80	85
PET Film	4.5 µm	4.5 µm	4.5 µm	4.5 µm	4.5 µm	4.5 µm
INK	Wax	Wax	Wax-Resin	Wax-Resin	Resin	Resin
Melting Point	65°C/149°F	65°C/149°F	75°C/167°F	85°C/185°F	80°C/176°F	80°C/176°F
Back Coating	Silicon based	Silicon based	Silicon based	Silicon based	Silicon based	Silicon based
Coefficient of Friction	Kd < 0.2	Kd < 0.2	Kd < 0.2	Kd < 0.2	Kd < 0.2	Kd < 0.2
Ribbon Thickness	< 9 µm	< 9 µm	< 9 µm	< 9 µm	< 9 µm	< 9 µm
Storage	12 months recommended	12 months recommended	12 months recommended	12 months recommended	12 months recommended	12 months recommended
Humidity	20-80%	20-80%	20-80%	20-80%	20-80%	20-80%
Temperature	5-35°C (40-95°F)	5-35°C (40-95°F)	5-35°C (40-95°F)	5-35°C (40-95°F)	5-35°C (40-95°F)	5-35°C (40-95°F)
Printing Quality and Speed						
Sharpness	80.00	85	90.00	95.00	95.00	95.00
Blackness	2.10	2.00	2.10	2.10	2.00	1.70
Printing Speed	Up to 12 ips	Up to 12 ips	Up to 12 ips	Up to 12 ips	Up to 10 ips	Up to 10 ips
Vertical Barcode	60.00	75.00	85.00	90.00	95.00	95.00
Horizontal Barcode	100.00	100.00	100.00	100.00	100.00	100.00
Resistance						
Mechanical	40.00	55.00	60.00	70.00	95.00	95.00
Solvents	0.00	0.00	0.00	0.00	50.00	60.00
Heat	60°C (140°F)	100°C (212°F)	100°C (212°F)	150°C (302°F)	180°C (356°F)	180°C (356°F)
Light	7.5	7.5	7.5	7.5	7.5	7.5
Water	100	100	100	100	100	100

Regulations

Product Line	B-ribbon™ Wax		B-ribbon™ Wax/Resin		B-ribbon™ Resin	
	Standard	Premium	Standard	Premium	Standard	Premium
REACH	•	•	•	•	•	•
SVHC 1907/2006/EC	•	•	•	•	•	•
Food Contact 1935/2004/EC	•	•	•	•	•	•
Heavy Metals 2011/65/EU	•	•	•	•	•	•
California Proposition 65	•	•	•	•	•	•
Halogen Restrictions	•	•	•	•		•
BS 5609						•
UL			•		•	•

Applications

Product Line	B-ribbon™ Wax		B-ribbon™ Wax/Resin		B-ribbon™ Resin	
	Standard	Premium	Standard	Premium	Standard	Premium
Storage	•	•	•	•		•
Shipping	•	•		•		
Signage and Logos	•	•	•	•	•	
Tags	•	•	•	•		
Crate	•	•	•	•		
Bag of Parts / Products	•	•	•	•	•	
Distribution Label	•	•	•	•		
Plant Marking				•	•	•
Laboratory			•		•	•
Rating Plate					•	•
Medical Devices					•	•
Mechanical Parts					•	•
Electrical Component					•	•
Blood Bag						•
Chemicals					•	•
Printed Circuit Board						•
Tyre					•	•
Care Label						•

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