

# B324

Resin

DURABLE ESR™

PrintheadSaver®

**EXTREME**  
SERIES



B324 Durable ESR™ is a UL approved multi-purpose resin thermal transfer ribbon designed to work with most flat head technology printers in demanding industrial conditions. B324 prints extremely dense bar codes and high-resolution images on a wide variety of both paper and film media. B324's durable performance characteristics include its ability to withstand repeated exposure to chemicals such as isopropanol and brake fluid, making it an ideal choice for demanding applications in a wide range of high end market sectors.



## Characteristics

Low printhead energy	●
Abrasion resistance	●
Scratch resistance	●
Print flexibility	●
High density print	●
Chemical resistance to common agents	●
Chemical resistance to hazardous chemicals	
High speed	
Anti-static PrintheadSaver® coating for printhead protection	●

● Applicable characteristics are indicated with dot



Chemical



Electronics



Healthcare



Horticulture/  
Nursery



Industrial



Lumber



Metals



Pharmaceutical



Retail



Warehouse

**TW**  
Thermal Films

[www.itwthermalfilms.com](http://www.itwthermalfilms.com)

# B324

Resin

DURABLE ESR™

## printhead saver®

Flat head range

RESIN ENHANCE WAX <b>B220</b>	ESM™ FLEXIBLE WAX/RESIN <b>B121</b>	ESR™ FLEXIBLE RESIN <b>B320</b>	Near edge and corner edge
	DURABLE WAX/RESIN <b>B128</b>	DURABLE RESIN <b>B324</b>	
	EXTREME WAX/RESIN <b>B120</b>	EXTREME RESIN <b>B813</b>	
		EXTREME+ RESIN <b>B814</b>	
		FLEXIBLE WAX/RESIN <b>B112</b>	
		HIGH SPEED WAX/RESIN <b>P110</b>	
		FLEXIBLE RESIN <b>P912</b>	

### ITW Thermal Films USA

Romeo, Michigan, USA  
1 586 752 5553

### ITW Thermal Films Northern Europe

Leicester, United Kingdom  
44 0 116 240 6400

### ITW Thermal Films Southern Europe

Valenza, Italy  
39 0131 950202

### ITW Specialty Films Korea

Seoul, Korea  
82 2 2104 9200  
Chonan, Korea  
82 41 559 4100

### ITW Thermal Films China

Shanghai, China  
86 21 5430 5701

### Recommended substrates

<b>Papers</b>	Coated
<b>Synthetics</b>	Polyester, Polyethylene, Polypropylene, PVC

### Ribbon properties

<b>Carrier</b>	4.5µm Polyester film
<b>Thickness</b>	< 9.0µm
<b>Color</b>	Black
<b>Ink melting point</b>	110°C
<b>Optical density (transmission)</b>	> 0.90
<b>Optical density (reflective)</b>	> 1.70

RESIN <b>B320</b>	RESIN <b>B324</b>	RESIN <b>B813</b>	RESIN <b>B814</b>
FLEXIBLE	DURABLE	EXTREME	EXTREME+

Range selector



This product is halogen free

**ITW**  
Thermal Films

[www.itwthermalfilms.com](http://www.itwthermalfilms.com)



ISEGA



This information is the best currently available on the subject. The results should, however only be regarded as a general guide to material properties and not as a guarantee