



R333A Resin



SATO Ribbons | Flat Head

- Excellent Printing Quality and Mechanical Resistance
- Excellent Smudge and Scratch Resistance
- Good Heat Resistance
- High-Speed Printing



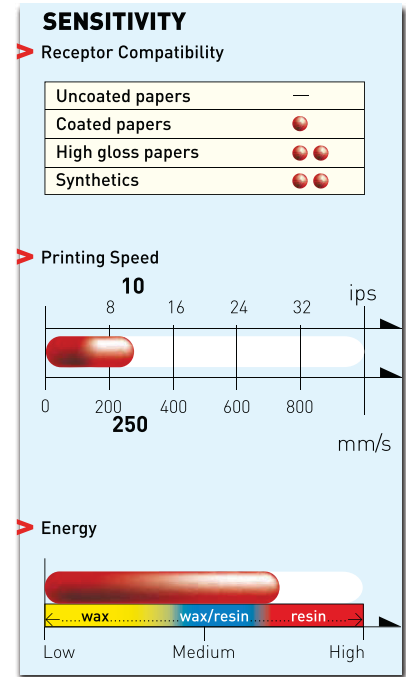
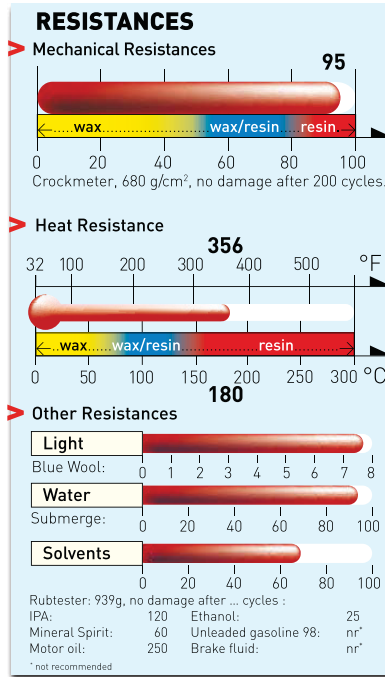
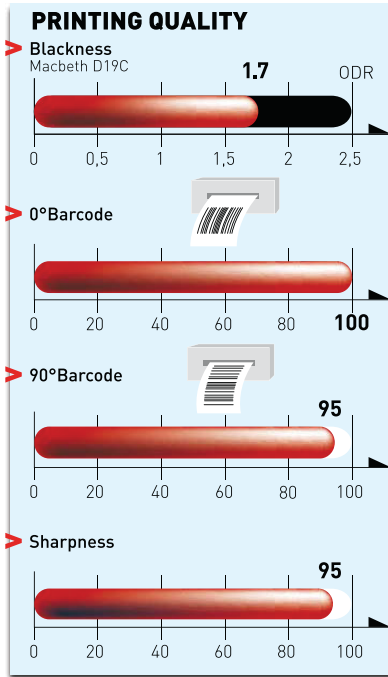
Trusted Dependability, Quality Assured, Exceptional Value

R333A is dedicated to applications requiring a perfect printing quality and exceptional mechanical resistance.

The ink provides exceptional printing of all types of barcodes, very small text, large characters and logos at a blackness above 1.7 (ODR). The ribbon structure allows printing on various synthetics (PVC, PET, PE, PP), matte and high gloss coated papers and even some uncoated papers. The printed image offers an excellent smudge and scratch resistance, as well as good heat resistance up to 356°F (180°C).

Those characteristics will remain at speeds up to 10 ips (250 mm/s) with 200, 300 and 600 dpi print heads, making this ribbon perfectly suited for a variety of labeling applications.

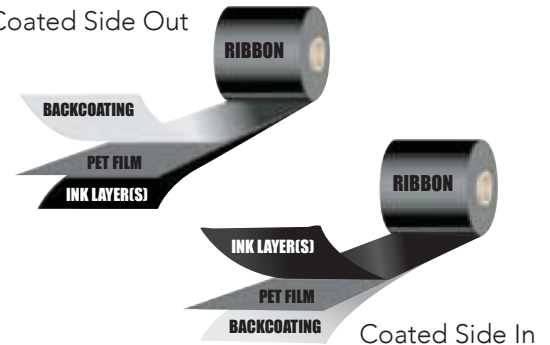
R333A features outstanding backcoat technology, ensuring excellent print head protection and preventing clogging or static buildup.



R333A RIBBON SPECIFICATIONS

Backcoating		Silicon based / Friction coefficient: Kd < 0.2
PET Film	Thickness	4.5 μm
	Tearing Resistance	> 300 N/mm ² (MD)
Ink	Type	Resin
	Melting Point	176°F (80°C)
	Blackness	Above 1.7 (ODR)
Ribbon	Thickness	< 9 μm
	Storage	12 months, 41-95°F (5-35°C), 20-80% Humidity Rate
	Specs	Black, anti-static buildup treated
	Heat Resistance	Up to 356°F (180°C)

Coated Side Out



CERTIFICATIONS AND APPROVALS (for other standards, please contact us)

	1935/2004/EC Food contact (Europe)		UL Approved - Legibility and durability of the printed label		BS 5609: The printed ink withstands immersion in seawater
Heavy Metals	EC 98/638				
RoHs/WEEE	EC directives 2002/95 and 2002/96, compliance to the limitation of dangerous substances in electric and electronic equipments.				
Ames Test	The ribbon is not mutagenic, does not cause DNA modifications.				
TSCA/CP 65	The ribbon does not contain any of the substances on this list.				
EC Directives	1999/45/EC and 2001/59/EC. The ribbon does not contain any substance classified as dangerous for health.				

APPLICATION FIELDS

Inventory, Shipping, Pharmaceutical, Cosmetics, Flexible Packaging, Flexible Packaging for Frozen Applications, Flexible Packaging for Hot Processes, Rating Plates, CDs, Retail Labeling, Care Labels, Signage & Logos, Laboratory, Healthcare, Tags, Food Contact, Livestock, Outdoor Applications, Conveyor Sorting, Chemical Drums, Automotive

If your application is not among these, please contact us.

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