

OVERVIEW OF THERMAL TRANSFER RIBBONS																
Ribbon	Formulation	Printhead	Colors	on white writing paper	on laminated/smooth paper	on plastic surfaces	printing speed	edge definition	optical density of print	EN 71 part 3	food grade (SEGA certificate)	scratch resistance	smudge resistance	gasoline resistance	ethanol resistance	Comments
TTR K 100 N	wax ribbon	FH	black	●	●	●	●	●	●			●	●			low cost wax ribbon suitable for basic standard applications (e.g. paper label with text and barcode)
TTR K 101	wax ribbon	FH	black	●	●	●	●	●	●	✓	✓	●	●			for all rough paper qualities, has got the most universal range of applications compared to our other wax foils, high density
TTF K 102 N	wax ribbon	FH	black	●	●	●	●	●	●	✓	✓	●	●			wax ribbon suitable for big quantities on standard applications (e.g. paper label with text and barcode)
TTR K 103	wax ribbon	FH	black	●	●	●	●	●	●	✓	✓	●	●			quality-wise located between our wax and wax/resin ribbons, can be used on a little less labels than a normal wax foil but very good for special applications (e.g. on PE), good abrasion resistance
TTR K 104 N	wax ribbon	FH	black	●	●	●	●	●	●	✓	✓	●	●			wax ribbon suitable for big quantities on standard applications (e.g. paper label with text and barcode)
TTR K 105	wax ribbon	FH	black	●	●	●	●	●	●			●	●			wax ribbon suitable for big quantities on standard applications (e.g. paper label with text and barcode)

Signs and symbols:

- EXCELLENT ●
- VERY GOOD ●
- GOOD ●

- FLAT HEAD FH
- TRUE EDGE TE
- NEAR EDGE NE

✓ Certification available. Detailed information upon request.

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TTR K 200	wax/resin ribbon	FH	black, green, red, bordeaux, almond brown, blue	●	●	●	●	●		✓	✓	●	●			universal ribbon for smooth paper surfaces e.g. chromo paper, good scratch and wipe resistance, very neat prints possible, especially small motives, needs more printing energy than a wax quality, higher proportion of wax than resin in the foil, available in different colours
			please see TTR brochure for more colours							✓						
TTR K 200 D	wax/resin ribbon	FH	black	●	●	●	●	●	●	✓	✓	●	●			similar to our K 200 but due to less ink on the carrier lower temperature needed, good for ladder barcodes
TTR K 300	wax/resin ribbon	FH	white (only white)	●	●	●	●	●	●	✓	✓	●	●	●	●	better scratch and smudge resistance than K 200 - also better than K 302 and K 304 - but more printing energy necessary than with K 200, suitable for smooth paper surfaces and plastic surfaces (PE/PET/PVC)
TTR K 302	wax/resin ribbon	FH	black	●	●	●	●	●	●	✓		●	●	●	●	most universal wax/resin quality, to be used on a lot of paper and plastic labels, good wipe and scratch resistance, less temperature necessary than with K 200 and K 300
TTR K 305	wax/resin ribbon	FH	black	●	●	●	●	●	●	✓	✓	●	●	●	●	most universal wax/resin quality with an wide range of applications, to be used on a lot of paper and plastic labels, very good wipe and scratch resistance
TTF K 308	wax/resin ribbon	FH	black													

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TTR K 500	resin ribbon	FH / TE	black, white (more colors available)			●	●	●	●	✓		●	●	●	●	resin ribbon for PE/PVC/PP (smooth surfaces), especially suitable for plastic labels - also for plastic cards (True-Edge printer) and licence plates; very good scratch, wipe and abrasion resistance as well as ethanol and gasoline resistance, to be used on plastic surfaces and not on paper surfaces
TTR K 501	resin ribbon	FH / TE	black, white (more colors available)			●	●	●	●	✓		●	●	●	●	resin ribbon for many plastic surfaces and some smooth paper surfaces, partially also suitable for smooth surfaces like Chromolux; good scratch, wipe and gasoline resistance, but not as resistant as K 500, good heat resistance - therefore suitable for lamination
TTR K 5000	resin ribbon	FH / TE	black			●	●	●	●	✓		●	●	●	●	further development of K 500 with a higher scratch and abrasion resistance, less printing energy necessary
TTR K 503	resin ribbon	FH / TE	black			●	●	●	●	✓		●	●	●	●	resin ribbon with very good abrasion resistance and resistance against gasoline and ethanol, which needs less printing energy
TTR K 504	resin ribbon	FH	black			●	●	●	●	✓	✓	●	●	●	●	universal resin ribbon especially for the use on PE materials and plastic surfaces, can also be used on paper surfaces, good abrasion resistance

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TTR K 700	wax/resin ribbon	NE	black, blue, cobalt blue	●	●	●	●	●	●	✓	✓	●	●			wax/resin ribbon especially for inline printing, suitable for printings on foils and PE, to be used where quick printings on packaging is necessary
			white, silver								✓					
TTR K 700 plus	wax/resin ribbon	NE	black		●	●	●	●	●	✓	✓	●	●			similar to K 700 but far higher wipe and scratch resistance on smooth foils and plastic labels
TTR K 7000	wax/resin ribbon	NE	black			●	●	●	●			●	●			Further development of the K 700 + relation to equal properties. It is still a wax-resin ribbon, has on some materials approximately the scratch and smudge resistance of a near-edge resin film requires higher temperature
TTR K 703	wax/resin ribbon	NE	black	●	●	●	●	●	●	✓	✓	●	●			wax/resin ribbon for desktop printers like Avery, prints well on paper, can also be used on plastic labels, sharp contours and high density
TTR K 703 N	Wachs-/Harzband	NE	schwarz													wax/resin ribbon especially for inline printing, suitable for printings on foils and PE, to be used where quick printings on packaging is necessary. prints with good blackness and scratch resistance
TTR K 704	resin ribbon	NE	black		●	●	●	●	●	✓		●	●			resin ribbon scratch for use on plastic packaging, needs more temperature
TTR 995488-4,5	wax/resin ribbon	NE	black	●	●	●	●	●	●	✓	✓	●	●			wax/resin ribbon for desktop printers like Avery, prints well on paper, can also be used on plastic labels, sharp contours and high density
TTR 996034-4,5	wax/resin ribbon	NE	black	●	●	●	●	●	●	✓	✓	●	●			wax/resin ribbon for inline- and desktop printers, prints well on smooth paper and plastic labels, can also be used on rough paper, good edge definition and blackness, high print speed
TTR K 8151	resin ribbon	FH / TE	transparent			●	●					●	●	●	●	transparent overlay resin ribbon, makes the thermal transfer printing on plastic cards more abrasion resistant and therefore more durable, thickness of carrier 5.7 μ
TTR K 8350	resin ribbon	FH / TE	transparent (UV)			●	●	●				●	●	tba	tba	resin ribbon which can be UV-activated, allows information to be hidden since it only becomes visible under a UV light source, good abrasion resistance, thickness of carrier 5.7 μ
A 992950	receptor ribbon	-	transparent			●	●					●	●	tba	tba	special application, resin foil (Eidos technique)
A 994847	receptor ribbon	-	transparent	●	●	●	●					●	●			special application, wax foil (Eidos technique)
TTR K 601	resin ribbon	FH	black													only for textile application for textile application

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