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## Products need labeling

## Labels and ribbons



## Good reasons to choose cab labels

**Printing on labels and fully automatic labeling have to meet the highest demands on quality, reliability and safety:**

- cab offers common standard materials from stock.
- Special labels can be manufactured user-specific from more than 400 materials: plain or individually imprinted, easy to remove, extra strong adherent or resistant to chemicals, cold or heat, etc.
- Label surfaces are optimized for high resolution in thermal transfer printing.
- Diameters of rolls and cores as well as windings correspond with cab printers.
- cab labels can be optimized for automated processing, which results in maximum process reliability.
- cab cooperates with a partner certified according to IATF 16949. Sampling is offered corresponding to PPAP methods.



## Preferred types of paper

### Standard paper, universally applicable

for address labeling and the labeling of products and goods as well as their packagings in industries, logistics, trade or services. It complies with BfR XXVI recommended on food contact.

Adhesive: permanently adherent  
 Winding: outside  
 Service temperature: -30 to +80 °C  
 Application temperature: minimum -10 °C



Ribbons recommended

Wax: W42  
 Resin/wax: CM43, B110A-X2

Paper white, slightly glossy, 80 g/m <sup>2</sup>					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5556470	25	10	152	76	7,000
5556880	35	25	152	76	3,000
5556471	40	20	152	76	3,500
5556881	50	25	152	76	3,000
5556472	54	35.5	152	76	2,250
5556882	60	40	152	76	1,900
5556473	68	58	152	76	1,400
5556474	75	35	152	76	2,300
5556475	89	36	152	76	2,500
5556476	85	50	152	76	1,500
5556477	100	42	152	76	2,000
5556883	100	50	152	76	1,500
5556884	100	80	152	76	1,000
5556480	100	150	152	76	500
5556400	105	148	152	76	500
5556478	110	68	152	76	1,200
5556479	115	99	152	76	800
5556450	157	112	205	76	1,500
5556104	105	148	205	76	1,000
5556491	148	210	205	76	850
5556489	210	149	205	76	1,000

further formats on request

# Preferred types of plastics

## Polypropylene foil (PP), biaxially oriented and corona treated

Polypropylene is waterproof and resistant to chemicals, greases and oils. The foil complies with FDA and ISEGA provisions on food resp. food packaging contact. It also fits with permanent marking of chemical and hygiene products.

Adhesive: permanently adherent  
Winding: outside  
Service temperature: -20 to +80 °C  
Application temperature: minimum +5 °C



Ribbons recommended

Resin/wax: B110A-X2  
Resin: R71, R81, R81R

Polypropylene white, matt, 0.057 mm					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5780024	40	20	152	76	3,500
5780025	50	30	152	76	2,500
5780026	60	30	152	76	2,500
5780027	60	40	152	76	2,000
5780028	70	30	152	76	2,500
5780029	70	50	152	76	1,600
5780030	85	50	152	76	1,600
5780031	102	50	152	76	1,600
5780032	100	150	152	76	500
5780033*	148	210	205	76	800

\* not with cab printer EOS1

further formats on request

## Polyester foil, coated surface

for permanent marking. It remains stable, waterproof and resistant to chemicals, greases and oils.

Adhesive: permanently adherent  
Winding: outside  
Service temperature: -20 to +100 °C  
Application temperature: minimum +5 °C



Ribbons recommended

Resin: R71, B110C, AXR8

Polyester white, matt, 0.050 mm					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5556485	25	8	152	76	7,500
5556486	50	30	152	76	2,500
5556487	60	40	152	76	2,000
5556488	85	50	152	76	1,670

further formats on request

## Premium polyester foil, coated surface

for permanent industrial marking of metals, paints and plastics. UL approval no. MH16635, RoHS approval according to guideline 2002/95/EC

Adhesive: permanently adherent  
Winding: outside  
Service temperature: -40 to +150 °C  
Application temperature: minimum +10 °C



Ribbons recommended

Resin: R71, B110C, AXR8

Premium polyester white, matt, 0.050 mm					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5780034	25	8	152	76	8,000
5780035	40	20	152	76	3,500
5780036	50	30	152	76	2,500
5780037	60	30	152	76	2,500
5780038	60	40	152	76	2,000
5780039	70	30	152	76	2,500
5780040	70	50	152	76	1,600
5780041	85	50	152	76	1,600
5780042	102	50	152	76	1,600

further formats on request

# Preferred types of plastics

## Polyester foil, coated surface

for permanent marking. It remains stable, waterproof and resistant to chemicals, greases and oils.

Adhesive: permanently adherent  
 Winding: outside  
 Service temperature: -20 to +130 °C  
 Application temperature: minimum +10 °C



Ribbons recommended

Resin: R71, CR43, B110C, AXR8

Polyester silver, matt, 0.025 mm					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5556481	25	8	152	76	10,000
5556482	50	30	152	76	2,500
5556483	60	40	152	76	2,000
5556484	85	50	152	76	1,500

further formats on request

## Premium polyester foil, coated surface

for permanent industrial marking of metals, paints and plastics. UL approval no. MH16635, RoHS approval according to guideline 2002/95/EC

Adhesive: permanently adherent  
 Winding: outside  
 Service temperature: -40 to +150 °C  
 Application temperature: minimum +10 °C



Ribbons recommended

Resin: R71, CR43, B110C, AXR8

Premium polyester silver, 0.050 mm					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5780043	25	8	152	76	8,000
5780044	40	20	152	76	3,500
5780045	50	30	152	76	2,500
5780046	60	30	152	76	2,500
5780047	60	40	152	76	2,000
5780048	70	30	152	76	2,500
5780049	70	50	152	76	1,600
5780050	85	50	152	76	1,600
5780051	102	50	152	76	1,600

further formats on request

## 3M polyester foil, coated surface

A high quality foil for permanent industrial marking of metals, paints and highly energetic plastics. UL approval no. MH18072

Adhesive: permanently adherent  
 Winding: outside  
 Service temperature: -40 to +150 °C  
 Application temperature: minimum +15 °C



Ribbons recommended

Resin: R71, CR43, B110C, AXR8

3M 7818EH polyester silver, matt, 0.081 mm*					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5556495	25	8	205	76	10,000
5556496	50	30	205	76	2,500
5556497	60	40	205	76	2,000
5556498	85	50	205	76	1,670

\* not with cab printer EOS1

further formats on request

# Labels for special applications

## cab labelbase for multiple labeling

for example on KLT containers. It can be fixed to the desired position. Labels can be stuck on labelbase as often as required and removed quickly without leaving any residues. Standard material is paper, plastics are offered for outdoor applications

Adhesive:	permanently adherent
Winding:	outside
Service temperature	standard: -20 to +80 °C
	outdoor: -40 to +100 °C
Application temperature	standard: minimum +10 °C
	outdoor: minimum +5 °C



## Two-layer transparent laminated labels to protect the base label

during varnishing work. After varnishing, it can be removed with a pull-tab.

Double laminate:	upper layer removable
	lower layer permanently adherent
Base label adhesive:	permanently adherent
Winding:	outside
Service temperature:	-20 to +100 °C
Application temperature:	minimum +5 °C



Ribbons recommended

Resin: R71, CR43

cab labelbase standard, paper					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5780052	110	60	152	76	500
5780053	120	80	152	76	500
5780054	160	120	152	76	500
5780055	160	80	152	76	500
5780056	220	80	152	76	500
5780104	210	149	152	76	500
5780057	220	310	152	76	250
cab labelbase outdoor, polypropylene (PP)					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5780105	120	80	152	76	500
5780106	160	80	152	76	500
5780103	110	160	152	76	500
5780107	160	120	152	76	500

further formats on request

Laminated labels					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
Double laminate, transparent: 5780092 Base label, white: 5780093	60	20	205	76	2,500
Double laminate, transparent: 5780090 Base label, white: 5780091	100	20	205	76	2,500

further formats on request

# Labels for special applications

## **cab printers XC, Hermes C**

Label printing compliant with the GHS guidelines in one operation.  
Proper paper and plastic labels are provided.



Paper white, slightly glossy, 80 g/m <sup>2</sup>					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5780067	102	50	305	76	8,400
5556403	105	148	305	76	2,900
5780058	100	150	305	76	3,000
5780064	110	68	305	76	6,000
5780059	148	210	305	76	2,000

further formats on request

Paper is universally applicable. For further types see page 2

Adhesive:	permanently adherent
Winding:	outside
Service temperature:	-30 to +80 °C
Application temperature:	minimum -10 °C
Ribbons recommended:	Resin/wax RW63, CRW63

Polypropylene white, glossy, 0.06 mm					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5780066	102	50	305	76	8,000
5780062	100	150	305	76	3,000
5780063	148	210	305	76	2,000

further formats on request

Polypropylene is waterproof and resistant to chemicals, greases and oils. For further types see page 3

Adhesive:	permanently adherent
Winding:	outside
Service temperature:	-20 to +80 °C
Application temperature:	minimum +5 °C
Ribbons recommended:	Resin CR74, R 71, R81, R81R certified according to BS5609

Polyester white, matt, 0.05 mm					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
5780065	102	50	305	76	8,000
5780060	105	150	305	76	3,000
5780061	148	210	305	76	2,000

further formats on request

Polyester remains stable, waterproof and resistant to chemicals, greases and oils. For further types see page 3

Adhesive:	permanently adherent
Winding:	outside
Service temperature:	-40 to +150 °C
Application temperature:	minimum +10 °C
Ribbons recommended:	Resin CR74*, R 71*, R81, R81R* *certified according to BS5609

# Labels for special applications

## **cab printers MACH1, MACH2**

Proper paper and plastic labels are provided.



Paper white, slightly glossy, 80 g/m <sup>2</sup>					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
<b>5780069</b>	40	20	127	38	3,000
<b>5780070</b>	60	40	127	38	1,700
<b>5780071</b>	70	50	127	38	1,400
<b>5780072</b>	102	50	127	38	1,400
<b>5780089</b>	100	150	127	38	450

further formats on request

Paper is universally applicable. For further types see page 2

Adhesive:	permanently adherent
Winding:	outside
Service temperature:	-30 to +80 °C
Application temperature:	minimum -10 °C
Ribbons recommended:	see page 11

Polypropylene white, glossy, 0.06 mm					
Part no.	Width mm	Height mm	Roll diameter mm	Core diameter mm	Labels per roll
<b>5780084</b>	40	20	127	38	3,000
<b>5780086</b>	60	40	127	38	1,800
<b>5780087</b>	70	50	127	38	1,400

further formats on request

Polypropylene is particularly waterproof and resistant to chemicals, greases and oils. For further types see page 3

Adhesive:	permanently adherent
Winding:	outside
Service temperature:	-20 to +80 °C
Application temperature:	minimum +5 °C
Ribbons recommended:	see page 11

## **Do you have questions?**



Our expert advisers accompany your requirements from the beginning to the integration to your processes.  
Just email to [etiketten@cab.de](mailto:etiketten@cab.de)  
For current data, see also [www.cab.de/en/labels](http://www.cab.de/en/labels)



## Good reasons to choose cab ribbons

**In thermal transfer mode, a special ribbon is heated by the print head selectively. The color layer of the ribbon melts and transfers onto the surface of the label:**

- cab provides more than 20 types of ribbon for any application. Adapted specifically to cab printers, these ribbons offer a consistent high quality.
- Depending from the application and the label material, cab provides the three ribbon qualities wax, resin-wax and resin.
- cab ribbons have a special back coating to better dissipate residual heat, avoid static electrification and friction. This improves the quality of the imprint and extends the lifecycle of the print head.



## Preferred types in wax quality

### Wax ribbons

make sense particularly when printing on paper, because wax melts very well into the label material. With a low print energy, printing results with high contrast and good density can be achieved. Suitable for print speeds up to 300 mm/s

Color: black  
Ink side: inside  
Core diameter: 1"



CW43 - economy quality			
Part no.	Width mm	Length m	Packing unit
5300020	55	360	20
5300021	76	360	20
5300022	90	360	20
5300023	102	360	10
5300024	110	360	10
W42* - standard quality			
Part no.	Width mm	Length m	Packing unit
5300301	38	360	36
5300302	50.8	360	36
5300303	64	360	24
5300304	76.2	360	24
5300305	88	360	24
5300306	101.6	360	12
5300307	114.3	360	12
5300310	130	360	12
5300311	152.4	360	12
5300312	165	360	12
5300313	220	360	12

\* particularly smear-proof  
further widths and lengths on request



## Preferred types in resin/wax quality

### Resin/wax ribbons

make flexible in case of universal printing on smooth paper or plastics. The density is as good as with pure wax ribbons, however, they are more resistant to smear and scratching.

Color: black  
Ink side: inside  
Core diameter: 1"



CM43 - economy quality			
Part no.	Width mm	Length m	Packing unit
5300025	55	360	20
5300026	76	360	20
5300027	90	360	20
5300028	110	360	10
RW62 - standard quality			
Part no.	Width mm	Length m	Packing unit
5556011	25.4	360	48
5556012	38.1	360	48
5556013	50.8	360	36
5556014	64	360	36
5556015	76.2	360	24
5556016	89	360	24
5556017	101.6	360	24
5556018	114.3	360	12
B110A-X2 - standard quality			
Part no.	Width mm	Length m	Packing unit
5556160	38	360	20
5556161	55	360	20
5556162	76	360	10
5556163	90	360	10
5556172	100	360	10
5556164	114	360	10
5556259	130	360	10
5556260	165	360	10

further widths and lengths on request

## Preferred types in resin quality

### Resin ribbons

have a perfect design for rough surroundings, when plastic labels are printed. This is mainly due to their ruggedness: Synthetic resin is scratch and smear proof and resistant to chemicals and oils. No high print energy is needed. Suitable for high printable resolutions up to 600 dpi

Color: black  
Ink side: inside  
Core diameter: 1"



Types resistant to washing and ironing on request

CR43 - economy quality			
Part no.	Width mm	Length m	Packing unit
5300029	25	360	20
5300030	38	360	20
5300031	55	360	20
5300032	65	360	20
5300033	76	360	20
5300034	90	360	20
5300035	102	360	10
5300036	110	360	10
R71 - standard quality			
Part no.	Width mm	Length m	Packing unit
5556668	25	360	20
5556673	38	360	20
5556661	55	360	20
5556665	65	360	20
5556662	76	360	10
5556663	89	360	10
5556666	102	360	10
5556695	110	360	10
5556697	130	360	10
5556696	154	360	10
5556806	166	360	10
5556807	220	360	10
B110C - standard quality			
Part no.	Width mm	Length m	Packing unit
5556760	38	360	20
5556761	55	360	20
5556762	76	360	10
5556763	90	360	10
5556765	100	360	10
5556764	114	360	10

further widths and lengths on request

## Preferred types in resin quality

### Special resin ribbons

for highly resolved printing with print speeds up to 250 mm/s. Fully smear- and scratch-proof. UL listed. For further features see resin ribbons on page 9

Color: black  
Ink side: inside  
Core diameter: 1"



AXR8 - premium quality			
Part no.	Width mm	Length m	Packing unit
5556291	25	360	10
5556602	55	360	10
5556603	110	360	10
B110CU* - special			
Part no.	Width mm	Length m	Packing unit
5556397	55	360	10
5556398	110	300	10

\* only when combined with special label materials  
further widths and lengths on request

## Ribbons for special applications

### Colored ribbons

Features correspond with those of the black ribbons on pages 8 and 9.

Colors: red, blue, green  
Ink side: inside  
Core diameter: 1"



CW43C - wax, standard quality				
Part no.	Color	Width mm	Length m	Packing unit
5556071	red	76.2	360	1
5556069	blue	76.2	360	1
5556072	red	114.3	360	1
5556070	blue	114.3	360	1
CRW63 - resin/wax, standard quality				
Part no.	Color	Width mm	Length m	Packing unit
5556278	red	110	300	10
5556275	blue	110	300	10
5556281	green	110	300	10
5556789	red	165	300	10
CR74 - resin, standard quality				
Part no.	Color	Width mm	Length m	Packing unit
5556187	red	60	300	10
5556184	blue	60	300	10
5556188	red	90	300	10
5556185	blue	90	300	10
5556189	red	110	300	10
5556186	blue	110	300	10
5556192	green	110	300	10
5556791	red	165	300	10

further widths and lengths on request

### White ribbons, opaque

to achieve good readability on dark or even black substrates. An alternate option to comparatively expensive laser foils

Color: white  
Ink side: inside  
Core diameter: 1"

CR43W - resin, standard quality			
Part no.	Width mm	Length m	Packing unit
5300040	40	360	25
5300042	75	360	25
5300043	85	360	25

further widths and lengths on request



# Ribbons for special applications

## cab printers XC, Hermes C

Label printing compliant with the GHS guidelines in one operation.

For features of the ribbons see page 9

Colors: black, red, blue, green  
Ink side: inside  
Core diameter: 1"



RW63 - resin/wax, standard quality				
Part no.	Color	Width mm	Length m	Packing unit
5556963	black	110	300	10
5556964	black	165	300	10
CRW63 - resin/wax, standard quality				
Part no.	Color	Width mm	Length m	Packing unit
5556278	red	110	300	10
5556275	blue	110	300	10
5556281	green	110	300	10
5556789	red	165	300	10
R71 - resin, standard quality				
Part no.	Color	Width mm	Length m	Packing unit
5556695	black	110	360	10
5556806	black	166	360	10
CR74 - resin, standard quality				
Part no.	Color	Width mm	Length m	Packing unit
5556180	red	110	300	10
5556186	blue	110	300	10
5556192	green	110	300	10
5556791	red	165	300	10
R81 - resin, special				
Part no.	Color	Width mm	Length m	Packing unit
5556956	black	110	300	8
5556958	black	165	300	5
R81R - resin, special				
Part no.	Color	Width mm	Length m	Packing unit
5556955	red	110	300	8
5556957	red	165	300	5

further widths and lengths on request

## cab printers MACH1, MACH2

For features of the ribbons see pages 8 and 9

Color: black  
Ink side: outside  
Core diameter: 1"



AWR8 - wax, standard quality			
Part no.	Width mm	Length m	Packing unit
5556990	55	300	10
5556991	80	300	10
5556992	110	300	10
APR6 - resin/wax, standard quality			
Part no.	Width mm	Length m	Packing unit
5556993	55	300	10
5556994	80	300	10
5556995	110	300	10
R71 - resin, standard quality			
Part no.	Width mm	Length m	Packing unit
5556996	55	300	10
5556997	80	300	10
5556998	110	300	10

further widths and lengths on request

## Do you have questions?



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For current data, see also [www.cab.de/en/ribbons](http://www.cab.de/en/ribbons)

Information corresponds to the date of the printing. Subject to change.  
The data provided in the catalog do not represent any warranty or guarantee.

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