

Endless Belt Coating Materials and Friction Linings

ESBAND designation		hardness	abrasion resistance	antistatic	permissible operating temperature*	coefficient of friction** [$\mu \pm 0.1 \mu$]		standard production dimensions for endless coating***			standard tolerances***		properties
coating	colour					steel	paper	length [mm]	width [mm]	thickness [mm]	width	thickness	applications
PU polyurethane	yellow, grey	55 ± 7 ShA	good	no	-10° to +60° C	0.4	0.8	PU timing belts up to 6400 NE timing belts up to 2000	up to 300	1.0 to 8	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ especially suitable as friction linings ■ general applications ■ good traction ■ e. g. for feeder belts and vacuum application
PU soft polyurethane	yellow	30 ± 7 ShA	medium	no	-10° to +60° C	0.4	0.8	PU timing belts up to 6400 NE timing belts up to 2000	up to 300	1.0 to 8	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ good shock absorbing properties ■ high elasticity
PU hard polyurethane	grey, red	70 ± 7 ShA	very good	no	-10° to +60° C	0.4	0.8	PU timing belts up to 6400 NE timing belts up to 2000	up to 300	1.0 to 8	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ higher resistance to abrasion than standard PU
NE CR-rubber	black	75 ± 5 ShA	medium	yes	-20° to +100° C	0.5	0.8	600 to 800 800 to 2000	up to 150 up to 300	1.5 to 3.0 2.0 to 5.0	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ especially suitable as friction linings ■ good bending elasticity
NBR nitrile rubber	blue, grey	75 ± 5 ShA	good	no	-20° to +100° C	0.4	0.8	600 to 800 800 to 2000	up to 150 up to 300	1.5 to 3.0 2.0 to 5.0	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ especially suitable as friction linings ■ very good resistance to oils and greases
XNBR nitrile rubber	light beige	75 ± 5 ShA	extremely good	no	-20° to +130° C	0.3	0.6	600 to 800 800 to 2000	up to 150 up to 300	1.5 to 3.0 2.0 to 5.0	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ very good resistance to oils and grease
EPDM EP-rubber	green	60 ± 5 ShA	good	no	-40° to +120° C	0.9	0.9	600 to 800 800 to 2000	up to 150 up to 300	1.5 to 3.0 2.0 to 5.0	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ very good weathering resistance ■ components FDA compliant ■ very good resistance to acid and alkaline solutions
NK natural rubber	red	40 ± 5 ShA	medium	no	-10° to +50° C	0.8	0.8	600 to 800 800 to 2000	up to 150 up to 300	2.0 to 12.0	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ especially suitable as friction linings ■ good shock absorbing properties ■ high elasticity ■ very good traction
NK natural rubber	maroon	50 ± 5 ShA	medium	no	-10° to +50° C	0.8	0.8	600 to 800 800 to 2000	up to 150 up to 300	2.0 to 12.0	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ good shock absorbing properties ■ high elasticity ■ very good traction
SI silicone	white, blue, grey	30 ± 5 ShA	low	no	-20° to +100° C	0.4	0.6	300 to 7000	up to 200	1.5 to 6.0	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm	<ul style="list-style-type: none"> ■ FDA compliant ■ dirt-resistant ■ glue-resistant



All information in this brochure correspond to the current state of technology. Changes may be made without prior notification.

The values mentioned are for information only and do not guarantee a certain property.

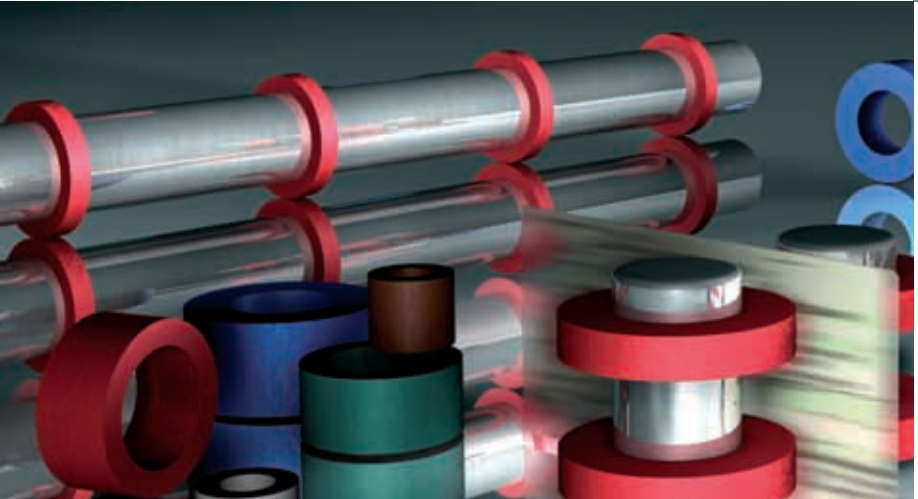
* coating of timing belts max. 80°C

** further information upon request

*** special dimensions and tolerances available on request



ENDLESS BELT COATING
MATERIALS AND
FRICTION LININGS



MSC-130.07-E-04.07

Drive Belts

Conveyor Belts

Weighing Belts

Machine Belts

Process Belts

Vacuum Belts

Vacuum Timing Belts

Thermo Belts

Special Belts

Food Belts

Belt Coating Materials

Schlatterer Esband - matches exactly your specific requirements

Excellent traction combined with low abrasion are convincing arguments for Endless Schlatterer belts and friction linings.

Without any joint or splice they demonstrate their reliability and durability in each and every situation.

Our friction linings need not be joined on the machine as they can be mounted quickly and cost-effectively using their inherent tension.

You are welcome to request a sample.

Standard types and sizes are usually available ex stock.

Standard types and sizes (please refer to the list opposite) of our high-performance drive belts are usually available from stock.