

Endless Process and Machine Belts / Paper Transport



ESBAND designation		tensile element	axle load at 1% elongation		antistatic	minimum pulley diameter*	permissible operating temperature	running side					carrying side				length [mm]	width [mm]	thickness [mm]	length	width	thickness	properties / applications		
type	belt design							material	hardness	surface	coefficient of friction ($\mu \pm 0.1 \mu$)			material	hardness	surface								coefficient of friction ($\mu \pm 0.1 \mu$)	
											anodized steel	stainless aluminium	steel											paper	PE foil
PU 0/6	yellow, grey	polyurethane	4 ± 2 N/cm		no	8 mm	-10° to + 60° C	polyurethane	approx. 55° Shore A	ground	0.4	0.8	0.3	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 2400	up to 300 up to 400	0.9 (> 1000 mm) 1.5 (> 1500 mm) 2.0 (> 2000 mm) up to 8.0	± 2.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm Ø100 mm ± 2.0 mm	± 0.10	<ul style="list-style-type: none"> high elasticity used with fixed shaft centers very good running properties used as matching sets paper transport
HT Elastik 40 + PU	white + PU grey black + PU grey	Hytrel®	0.83 N/mm ² Hytrel®		no yes	15 mm	-10° to + 60° C	Hytrel®	approx. 40° Shore D	ground	0.5	0.6	0.4	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 1800	3 to 150 8 to 400	1.2 to 1.5 1.5 to 2.0	± 1.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm Ø100 mm ± 2.0 mm	± 0.10	<ul style="list-style-type: none"> elastic conveyor band good traction document and paper transport
PU Elastik	yellow, grey	elastic web/ polyester	6 ± 3 N/cm		possible	25 mm	-10° to + 60° C	textile	–	–	0.2	0.3	0.2	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 3500	up to 300 up to 600	1.8 to 9.0	± 2.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm Ø100 mm ± 2.0 mm	± 0.10	<ul style="list-style-type: none"> elastic used with fixed shaft centers very good running properties used as matching sets
PU Elastik + silicone	yellow + silicon white grey + silicone white	elastic web/ polyester	9 ± 3 N/cm		possible	30 mm	-10° to + 60° C	polyurethane ground	approx. 55° Shore A		0.4	0.8	0.3	silicone	approx. 35° Shore A	ground	0.6	0.3	200 to 600 600 to 3500	up to 300 up to 600	2.4 to 10	± 2.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm Ø100 mm ± 2.0 mm	± 0.10	<ul style="list-style-type: none"> elastic used with fixed shaft centers very good running properties used as matching sets dirt- and glue-resistant carrying side
PU 10 non-porous ply	red + non-porous ply red grey + non-porous ply grey	polyamide	100 ± 15 N/cm		possible	8 mm	-10° to + 60° C	textile	–	impregnated	0.4	0.8	0.3	polyurethane	approx. 55° Shore A	non-porous ply	0.5	0.2	200 to 600 600 to 4400	up to 300 up to 600	0.9 to 10	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm Ø100 mm ± 2.0 mm	± 0.15	<ul style="list-style-type: none"> slightly elastic used with fixed shaft centers used as matching sets
NE 10 one side smooth	black	polyamide	80 ± 10 N/cm		yes	8 mm	-20° to + 100° C	poly-chloroprene	approx. 75° Shore A	smooth	0.6	0.8	0.6	poly-chloroprene	approx. 75° Shore A	profiled	0.8	0.2	180 to 400 400 to 2000	up to 100 up to 420	0.7	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm Ø100 mm ± 2.0 mm	± 0.15	<ul style="list-style-type: none"> slightly elastic used with fixed shaft centers used as matching sets
PC	red	polyester/ cotton	380 ± 30 N/cm		possible	15 mm	-10° to + 60° C	textile	–	impregnated	0.7	0.8	0.6	PVC	approx. 50° Shore A	profiled	0.9	0.5	500 to 4200	up to 400	1.1	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.15 mm	<ul style="list-style-type: none"> very good resistance to acid and alkaline solutions, microbes and hydrolysis high coefficient of friction
PU 11	yellow, grey	polyester	230 ± 30 N/cm		possible	12 mm	-10° to + 60° C	textile	–	impregnated	0.4	0.8	0.3	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 5000	up to 300 up to 600	1.0 to 10	± 0.5 %	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"> available ex stock for lengths up to 2400 mm general application
PU 20/1	yellow, grey	cotton	165 ± 15 N/cm		possible	9 mm	-10° to + 60° C	textile	–	untreated	0.1	0.3	0.1	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 5000	up to 300 up to 600	0.9 to 10	± 0.5 %	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"> table removers, blade edges
NE 20/1	black	cotton	190 ± 10 N/cm		yes	8 mm	-20° to + 100° C	textile	–	untreated	0.1	0.3	0.1	poly-chloroprene	approx. 75° Shore A	profiled	0.8	0.2	180 to 400 400 to 4200	up to 100 up to 420	0.8	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.15 mm	<ul style="list-style-type: none"> table removers, blade edges

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.

* at minimum thickness

** special dimensions and tolerances available on request