Endless Weighing and Food Belts

ESBAND designation type	belt design	tensile element	food transport	axle load at 1% elongation	Antistatic	minimum Pulley diameter*	permissible operating temperature	running side material	hardness	surface	coefficient of friction* [μ ±0.1 μ] steel	anodized aluminium	stainless steel	carrying side material	hardness	surface	coefficient of friction* [μ ±0.1 μ] paper	PE foil	length [mm]	width [mm]	thickness [mm]	length	width	thick-ness	properties / applications	
PU 0/6 W	yellow, grey	polyurethane packaged	only food	4 ± 2 N/cm	no	8 mm	-10° to + 60° C	polyurethane	approx. 55° Shore A	special grinding+ low-friction-coating	0.2	0.7	0.2	polyurethane ground	approx. 55° Shore A		0.8	0.2	200 to 600 600 to 2400	up to 300 up to 400	0.9 1.2 (> 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 > 100 mm ± 2.0 mm	± 0.10 mm	■ high elasticity ■ used with fixed shaft centers ■ weighing belt	■ very good running properties ■ used as matching sets
PU 0/6	both sides porousfree ply white	polyurethane packaged	only food	4 ± 2 N/cm	no	8 mm	-10° to + 60° C	polyurethane porousfree	approx. 55° Shore A	ply white	0.3	0.6	0.3	polyurethane 0.5	approx. 55° Shore A	porousfree ply white		0.2	200 to 600 600 to 2400	up to 300 up to 400	1.1 1.4 (> 1000 mm) 1.7 (> 1500 mm) 2.2 (> 2000 mm) up to 8.0	± 2.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm mm> 100 mm ± 2.0 mm	± 0.15	■ high elasticity ■ used with fixed shaft centers ■ easier to clean	■ very good running properties ■ used as matching sets
PU Elastik + silicone	yellow+silicone white grey + silicone grey	elastic web/ polyester	running side FDA	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. 30° Shore A	ground	0.6	0.3	200 to 600 600 to 3500	up to 300 up to 600	2.4 up to 10	± 2.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm mm> 100 mm ± 2.0 mm	± 0.10	■ elastic ■ used with fixed shaft centers ■ carrying side dirt- and glue-resistant	■ very good running properties ■ used as matching sets
HT Elastik 30	blue, white	Hytrel®	FDA	0.33 N/mm² Hytrel®	no	8 mm	-40° to + 60° C	Hytrel®	approx. 30° Shore D	smooth	0.5	0.7	0.9	Hytrel®	approx. 30° Shore D	ground	0.5	0.2	200 to 410 410 to 2200	up to 150 up to 400	0.8 up to 1.5	± 1.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm mm> 100 mm ± 2.0 mm	± 0.10	■ elastic ■ used with fixed shaft centers ■ resistant to microbes and hydrolysis	■ very good running properties ■ used as matching sets ■ general conveying applications
HT Elastik 40	blue, white	Hytrel®	FDA	0.83 N/mm² Hytrel®	no	10 mm	-40° to + 100° C	Hytrel®	approx. 40° Shore D	ground	0.5	0.6	0.4	Hytrel®	approx. 40° Shore D	ground	0.5	0.1	410 to 2200	up to 400	0.6 up to 1.5	± 1.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm mm> 100 mm ± 2.0 mm	± 0.10	■ slightly elastic ■ used with fixed shaft centers ■ resistant to microbes and hydrolysis	■ very good running properties ■ used as matching sets ■ general conveying applications
HT 4011	white, blue	polyester	FDA	290 ± 35 N/cm	possible	20 mm	-40° to + 100° C	Hytrel®	approx. 40° Shore D	X-profile	0.3	0.5	0.2	Hytrel®	approx. 40° Shore D	ground	0.5	0.1	800 to 1100 1100 to 2200	up to 300 up to 500	1.5 up to 3.0	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm mm> 100 mm ± 2.0 mm	± 0.10	■ transversally stiff ■ resistant to microbes and hydrolysis	■ general conveying applications ■ special profile on running side
Si 1	blue, white, grey	polyester	FDA	190 ± 20 N/cm	possible	12 mm	-20° to + 150° C	textile	-/-	untreated	0.2	0.3	0.2	silicone	approx. 30° Shore A	ground	0.6	0.3	200 to 600 600 to 4800	up to 300 up to 600	1.0 up to 10	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm mm> 100 mm ± 2.0 mm	± 0.10	■ resistant to dirt and glue ■ resistant to microbes and hydrolysis	■ weighing belt
Si 3	blue, white, grey	polyester/ cotton	FDA	135 ± 15 N/cm	possible	10 mm	-20° to + 120° C	textile	-/-	untreated	0.1	0.3	0.1	silicone	approx. 30° Shore A	ground	0.6	0.3	200 to 600 600 to 4200	up to 300 up to 600	1.0 up to 10	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm mm> 100 mm ± 2.0 mm	± 0.10	■ resistant to dirt and glue ■ suitable for blade edges ■ resistant to microbes and hydrolysis	■ weighing belt ■ highly flexible
FX 11	white, blue	polyester	FDA	230 ± 20 N/cm	possible	20 mm	-10° to + 80° C	polyurethane profile	approx. 80° Shore A	T-	0.3	0.5	0.2	polyurethane ground	approx. 80° Shore A		0.7	0.1	480 to 1000 1000 to 4000	up to 500 up to 900	1.1 up to 3.0	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm mm> 100 mm ± 2.0 mm	± 0.10	■ general conveying ■ applications ■ resistant to microbes and hydrolysis	
FX 12	white, blue	polyester	FDA	320 ± 40 N/cm	possible	35 mm	-10° to + 80° C	polyurethane ground	approx. 80° Shore A		0.4	0.4	0.2	polyurethane smooth	approx. 80° Shore A		0.4	0.9	480 to 1000 1000 to 4000	up to 500 up to 900	1.6 up to 3.0	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm mm> 100 mm ± 2.0 mm	± 0.10	■ high-performance conveying applications ■ resistant to microbes and hydrolysis	

* at minimum thickness

** special dimensions and tolerances available on request