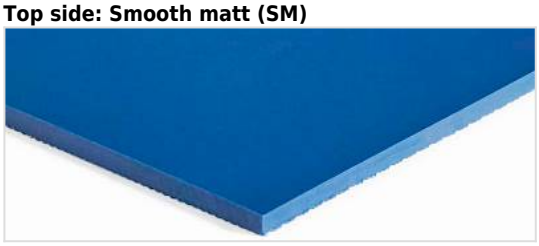
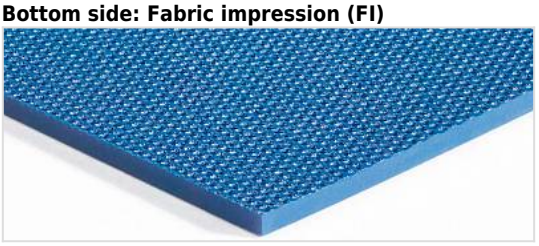
Datasheet
Conveyor belt

Top side: Smooth matt (SM)



FDA EC · VEGAN · METAL · X-RAY · MICRO CLEAN

Bottom side: Fabric impression (FI)



FDA EC · VEGAN · METAL · X-RAY

Quality:
PU80A SAFE

Order No.:
FBFJ750X1LA

GENERAL BELT INFORMATION			
Material type	Polyurethane	Belt design	monolithic
Total belt thickness	1 mm	Weight	1,38 kg/m²
Minimum pulley diameter	10 mm	Temperature	-20°C...+60°C
Recommended pretension	1...5%	Maximum production width	750 mm
Pull force at 1% elongation (static)	0,3 N/mm	Maximum usable width	730 mm
Pull force at 1% elongation (relaxed)	0,21 N/mm	Chemical resistance	upon request

BELT SPECIFICATIONS	TOP SIDE	BOTTOM SIDE
Approx. material hardness (Shore)	84° Shore A (±3)	84° Shore A (±3)
Coefficient of friction µ Steel	0,6	0,5
Color	capri blue	capri blue
Belt thickness	n/a	n/a
Surface	Smooth matt (SM)	Fabric impression (FI)
Characteristics	FDA/EC	FDA/EC
	Vegan	Vegan
	Metal detectable	Metal detectable
	X-ray detectable	X-ray detectable
	MicroClean	

CONFORMITY
REACH EC 1907/2006 in the current versions
EC 1935/2004 in the current versions
FDA (Food and Drug Administration)

RECOMMENDED END CONNECTION & WELDING PARAMETERS			
Finger joint		Butt welding (heating sword)	
Heating plate temperature	160 °C	Heating paddle temperature	260°C ±10°C
Pressure	0.5 bar		
Heating time	30 sek.		

The above information is the result of in-house quality testing. It does not constitute a warranty of properties and, in particular, does not contain statements about the suitability of the product for specific purposes, nor can any claims be derived from it against us. The information does not release the buyer, in particular, from his obligation to perform incoming inspection.

Subject to change without notice - 11/2026

BEHA Innovation GmbH • In den Engematten 16 • 79286 Glottertal/Germany • Phone +49 7684 9070 • info@behabelt.com • www.behabelt.com

MATERIAL CHARACTERISTICS

BEHAbelt conveyor belts additionally offer very useful special features that make them suitable for even the most demanding conveyor belt applications.

FDA EC — FDA/EC compliance for direct food contact.

METAL X-RAY — Metal and X-ray detectable conveyor belts for maximum food safety. These products are part of the PUsafe series.

Hydrolysis-resistant conveyor belts for use in warm, humid, and wet environments.

UV — Specially protected against UV-C radiation.

VEGAN — Use of raw materials of non-animal origin.

Friction driven conveyor belts for roller drives.

Antistatic dissipative conveyor belts with excellent mechanical properties.

The microbe-resistant conveyor belts do not provide a breeding ground for microorganisms.

MICRO CLEAN — Unique surface finish that offers optimal release properties and excellent cleanability due to its rounded structure.

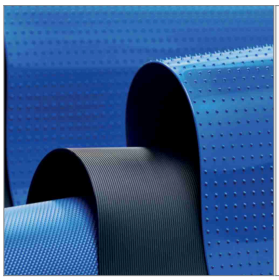
2K — The two-component production allows the combination of different material hardnesses, properties, and colors.

ISO 340 — Heavy-duty flame retardant according to ISO 340.

Form-locking conveyor belts for gear drives.

DELIVERY PROGRAM

Supplementary product solutions as well as welding and joining technology.



Monolithic conveyor belts made of PU and TPE



Weldable belts made of PU and TPE



Welding/joining technology for PU and TPE



PU coatings for toothed and V-belts



Belt accessories made of PU