

Top side: Diamond (ID)



Bottom side: Slightly rough (SR)



Quality:
PU80A

Order No.:
FBFJ750X18LJ

GENERAL BELT INFORMATION

Material type	Polyurethane	Belt design	monolithic
Total belt thickness	1,8 mm	Weight	2,16 kg/m ²
Minimum pulley diameter	18 mm	Temperature	-20°C...+60°C
Recommended pretension	1...5%	Maximum production width	750 mm
Pull force at 1% elongation (static)	0,58 N/mm	Maximum usable width	730 mm
Pull force at 1% elongation (relaxed)	0,42 N/mm	Chemical resistance	upon request

BELT SPECIFICATIONS	TOP SIDE	BOTTOM SIDE
Approx. material hardness (Shore)	84° Shore A	84° Shore A
Coefficient of friction μ Steel	0,45	0,5
Color	ultramarine blue	ultramarine blue
Belt thickness	n/a	n/a
Surface	Diamond (ID)	Slightly rough (SR)
Characteristics	UV resistant	UV resistant
	MicroClean	FDA (Food and Drug Administration)
	FDA (Food and Drug Administration)	

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	60 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 - 09/2025

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 compliance for direct food contact.		Antistatic dissipative conveyor belts with excellent mechanical properties.
	Metal and X-ray detectable conveyor belts for maximum food safety. These products are part of the PUsafe series.		The microbe-resistant conveyor belts do not provide a breeding ground for microorganisms.
	Hydrolysis-resistant conveyor belts for use in warm, humid, and wet environments.		Unique surface finish that offers optimal release properties and excellent cleanability due to its rounded structure.
	Specially protected against UV-C radiation.		The two-component production allows the combination of different material hardnesses, properties, and colors.
	Use of raw materials of non-animal origin.		Heavy-duty flame retardant according to ISO 340.
	Friction driven conveyor belts for roller drives.		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