

**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 <sup>2</sup> |
| 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 $\mu$ 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 - 08/2025

## 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