

General Information

832-1 2 Ply Black PU Sand C X FS

MWR Part#	832-1
Description	2 Ply Black PU Sand C X FS
Product Category	Light Conveyor Belts
Additional Specifications	H800034730 ENB-8EL-U2
Main industry segments	Airport, Distribution centers
Applications	Packaging belt, Transfer belt, Weighing belt
Special features	Abrasion resistant



Product Construction Design

Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Sand finish
Conveying side property	Non-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	Off-white

Product Characteristics

Antistatically equipped	Yes
Adhesive free joining method	Yes
Flammability	Tested according to UL 94HB (USA) requirement; HB= Horizontal Burning
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended

Technical Data

Thickness of belt	1.5 mm (0.06 inch)
Mass of belt (belt weight)	1.4 kg/m ² (0.287 lb/sqft)
Tensile force for 1% elongation (k1% static)	10 N/mm (57 lbf/in)
Tensile force for 1% elongation (k1% relaxed)	7.0 N/mm (40 lbf/in)
Min. operating temperature admissible (continuous)	-20 °C (-4 °F)
Max. operating temperature admissible (continuous)	80 °C (176 °F)
Coefficient of friction (pulley side / steel driving pulley)	0.15
Coefficient of friction (pulley side / driving pulley with friction)	0.35
Coefficient of friction (pulley side / pickled steel slider bed)	0.20
Coefficient of friction (pulley side/phenolic resin slider bed)	0.15
Coefficient of friction (pulley side/stainless steel slider bed)	0.15
Admissible tensile force per unit of width	14 N/mm (80 lbf/in)
Admissible tensile force per unit of width at max. temp	6.5 N/mm (37 lbf/in)
Seamless manufacturing width	2400 mm (94.49 inch)

Joining Related Properties

Joining method	Flexproof 20 x 80
Pulley diameter (minimum)	25 mm (0.98 inch)
Pulley diameter minimum with counter flection	40 mm (1.57 inch)

Application Suitability

Slider bed suitable	Yes
Carrying rollers suitable	Yes
Troughed, Powerturns, Curved installation suitable	No
Knife-edge (nosebar) suitable	No
Low noise applications	Yes
Metal detector suitable	No



Application specialists are ready to help — call 763-559-2551. On-site installation team available.

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