

General Information

854-1 2 Ply White PU Glossy C X FS

MWR Part#	854-1
Description	2 Ply White PU Glossy C X FS
Product Category	Food Belts
Additional Specifications	H010100409 FAB-12E
Special features	Abrasion resistant, Dimensionally stable
Applications	Food processing/conveying belt, Packaging belt, Transfer belt
Main industry segments	Baked snacks, Biscuit and Crackers, Bread, Chocolate, Convenience food, Frozen food, Pasta, Pastry, Pizza, Primary food packaging, Ready meals



Product Construction Design

Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Glossy
Conveying side property	Adhesive
Conveying side color	White
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Light gray

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	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, USDA recommendations	No use intended

Technical Data

Thickness of belt	2.4 mm (0.09 inch)
Mass of belt (belt weight)	2.7 kg/m ² (0.553 lb/sqft)
Tensile force for 1% elongation (k1% static)	17 N/mm (97 lbf/in)
Tensile force for 1% elongation after relaxation	12 N/mm (69 lbf/in)
Min. operating temperature admissible	-30 °C (-22 °F)
Max. operating temperature admissible	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)	0.25
Coefficient of friction (pulley side/stainless steel slider bed)	0.15
Admissible tensile force per unit of width	22 N/mm (126 lbf/in)
Admissible tensile force at max. operating temperature	8.5 N/mm (49 lbf/in)
Seamless manufacturing width	4000 mm (157.48 inch)

Joining Related Properties

Joining method	Flexproof 20 x 80
Pulley diameter (minimum)	50 mm (1.97 inch)
Pulley diameter minimum with counter flection	60 mm (2.36 inch)

Application Suitability

Slider bed suitable	Yes
Carrying rollers suitable	Yes
Troughed installation suitable	No
Powerturns / curved installations	No
Knife-edge (nosebar) suitable	No
Metal detector suitable	No



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

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