

General Information

851 2 Ply White PU Glossy C X FS

MWR Part#	851
Description	2 Ply White PU Glossy C X FS
Product Category	Food Belts
Additional Specifications	H010100981 FAB-5E+H15
Applications	Delivery belt, Food processing/conveying belt, Weighing belt
Special features	Abrasion resistant, Antimicrobially equipped, Antistatic, Longitudinal flexibility, Oil and fat resistant, Small pulley diameter suitable, Smooth and pore-free belt surface, High lateral stability
Main industry segments	Biscuit & Crackers, Candy, Chocolate, Frozen food, Hygiene products, Poultry, Primary food packaging, Ready meals, Red meat



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 blue

Product Characteristics

Antistatically equipped	Yes
Adhesive free joining method	Yes
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	Yes
Other conformance/approval	Contains an antimicrobial additive approved by EPA for use in food contact

Technical Data

Thickness of belt	1.30 mm (0.05 inch)
Mass of belt (belt weight)	1.4 kg/m ² (0.287 lb/sqft)
Tensile force for 1% elongation (k1% static)	6.5 N/mm (37 lbf/in)
Tensile force for 1% elongation after relaxation	4.6 N/mm (26 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 w/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	11 N/mm (63 lbf/in)
Admissible tensile force at max. operating temperature	6.0 N/mm (34 lbf/in)

Joining Related Properties

Joining method	Flexproof 10 x 80
Knife-edge (nosebar) radius (minimum)	3 mm (0.118 inch)
Pulley diameter (minimum)	15 mm (0.59 inch)
Pulley diameter minimum with counter flecion	25 mm (0.98 inch)

Application Suitability

Slider bed suitable	Yes
Carrying rollers suitable	Yes
Powerturns / curved installations	No
Metal detector suitable	Yes



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

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