

General Information

849 2 Ply White PU Matte C X FS

MWR Part#	849
Description	2 Ply White PU Matte C X FS
Product Category	Food Belts
Additional Specifications	H010101292 FNB-5E+H15
Special features	Antimicrobially equipped
Applications	Accumulation, Food processing/conveying, Packaging, Transfer, Weighing
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	Matte
Conveying side property	Non-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
Food suitability, USDA recommendations	USDA certified compliance for Meat and Poultry Processing

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)	7.0 N/mm (40 lbf/in)
Tensile force for 1% elongation after relaxation	4.8 N/mm (27 lbf/in)
Min. operating temperature admissible	-15 °C (5 °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	11 N/mm (63 lbf/in)
Admissible tensile force at max. operating temperature	8.5 N/mm (49 lbf/in)

Joining Related Properties

Joining method	Flexproof 10 x 80
Knife-edge (nosebar) radius (minimum)	4 mm (0.157 inch)
Pulley diameter (minimum)	15 mm (0.59 inch)
Pulley diameter minimum with counter flection	20 mm (0.79 inch)

Application Suitability

Slider bed suitable	Yes
Carrying rollers suitable	Yes
Troughed installation suitable	No
Powerturns / curved installations	No
Low noise applications	No
Metal detector suitable	Yes



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

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