852 1 Ply White PU Matte C X FS

General Information	
MWR Part#	852
Description	1 Ply White PU Matte C X FS
Product Category	Food Belts
Aditional Specifications	H010101291 FAB-2E+H15
Applications	Cooling (line), Delivery belt, Food processing/conveying belt, Weighing
Main industry segments	Baked snacks, Biscuit and Crackers, Bread, Chocolate, Convenience food, Frozen food, Pasta, Pastry, Pizza, Primary food packaging, Ready meals
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

Product Construction Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Matte
Conveying side property	Adhesive
Conveying side color	White
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
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 - Check Document of Compliance (DoC) in our Portal

Technical Data	
Thickness of belt	0.70 mm (0.03 inch)
Mass of belt (belt weight)	0.70 kg/m² (0.143 lb/sqft)
Tensile force for 1% elongation (k1% static)	3.6 N/mm (21 lbf/in)
Tensile force for 1% elongation after relaxation	2.6 N/mm (15 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	6.5 N/mm (37 lbf/in)
Admissible tensile force at max. operating temperature	3.2 N/mm (18 lbf/in)

Joining Related Properties	
Joining method	Flexproof 10 x 80
Knife-edge (nosebar) radius (minimum)	2 mm (0.079 inch)
Pulley diameter (minimum)	15 mm (0.59 inch)
Pulley diameter minimum with counter flection	15 mm (0.59 inch)

Application Suitability	
Slider bed suitable	Yes
Carrying rollers suitable	No
Troughed installation suitable	No
Powerturns / curved installations	No
Metal detector suitable	Yes