

## General Information

## 833 2 Ply White PU Waffle C X FS

MWR Part#	833
Description	2 Ply White PU Waffle C X FS
Product Category	Food Belts
Additional Specifications	H800030016 FMW-6EZWH-P1
Applications	Decline belt, Delivery belt, Food processing/conveying belt, Incline belt
Special features	High temperature resistant, Hydrolysis resistant, Powerturn suitable, Low wicking reverse side, Frayless edges
Main industry segments	Baked snacks, Biscuits, Crackers, Bread, Chocolate, Convenience, Poultry Red meat, Fish, Frozen, Pasta, Pastry, Pizza, , Primary pakging, Ready meals



## Product Construction Design

Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Waffle structure
Conveying side property	Medium-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	White

## 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	1.8 mm (0.07 inch)
Mass of belt (belt weight)	1.7 kg/m <sup>2</sup> (0.348 lb/sqft)
Tensile force for 1% elongation (k1% static)	7.0 N/mm (40 lbf/in)
Tensile force for 1% elongation (k1% relaxed)	5.0 N/mm (29 lbf/in)
Min. operating temperature admissible (continuous)	-30 °C (-22 °F)
Max. operating temperature admissible (continuous)	110 °C (230 °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)	0.20
Coefficient of friction (pulley side/stainless steel slider bed)	0.20
Admissible tensile force per unit of width	12 N/mm (69 lbf/in)
Admissible tensile force per unit of width at max. temp	5.5 N/mm (31 lbf/in)
Seamless manufacturing width	2400 mm (94.49 inch)

## 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, Powerturns, Curved installation suitable	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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