

**General Information****777 2 Ply White PET FS X FS**

MWR Part#	777
Description	2 Ply White PET Fabric FS X FS
Product Category	Food Belts
Additional Specifications	H800030015 FNI-5E1WH-P1
Applications	Accumulation, Diverting, Food processing/conveying, Packaging, Transfer
Main industry segments	Baked snacks, Biscuit and Crackers, Bread, Chocolate, Convenience food, Pastry, Primary food packaging
Special features	Easy release, High temperature & Hydrolysis resistant, Low friction running side, No stick-slip effect

**Product Construction Design**

Conveying side material	Polyester (PET)
Conveying side surface	Impregnated fabric
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	White

**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	No use intended

**Technical Data**

Thickness of belt	0.95 mm (0.04 inch)
Mass of belt (belt weight)	0.85 kg/m <sup>2</sup> (0.174 lb/sqft)
Tensile force for 1% elongation (k1% static)	6.5 N/mm (37 lbf/in)
Tensile force for 1% elongation (k1% relaxed)	4.6 N/mm (26 lbf/in)
Min. operating temperature admissible (continuous)	-40 °C (-40 °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 w/friction cover)	0.35
Coefficient of friction (pulley side pickled steel, SS steel bed)	0.20
Coefficient of friction (pulley side/phenolic resin slider bed)	0.20
Thermal Resistance	0.012 m <sup>2</sup> K/W (0.002 Fft <sup>2</sup> h/Btu)
Thermal Conductivity	0.080 W/mK (0.014 W/ft*F)
Admissible tensile force per unit of width	11 N/mm (63 lbf/in)
Admissible tensile force per unit of width at max. temp	3.6 N/mm (21 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 flecion	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.**

