

## General Information

## 777-3 1 Ply Clear PET Fabric FS X FS

MWR Part#	777-3
Description	1 Ply Clear PET Fabric FS X FS
Product Category	Food Belts
Additional Specifications	H010100166 FNI-2E
Main industry segments	Biscuit and Crackers, Bread, Chocolate
Applications	Food processing/conveying belt
Special features	Low friction running side



## Product Construction Design

Conveying side material	Polyester (PET)
Conveying side surface	Impregnated fabric
Conveying side property	Non-adhesive
Conveying side color	Transparent
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	Transparent

## Product Characteristics

Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, USDA recommendations	No use intended

## Technical Data

Thickness of belt	0.30 mm (0.01 inch)
Mass of belt (belt weight)	0.25 kg/m <sup>2</sup> (0.051 lb/sqft)
Tensile force for 1% elongation (k1% static)	4.2 N/mm (24 lbf/in)
Tensile force for 1% elongation (k1% relaxed)	2.8 N/mm (16 lbf/in)
Min. operating temperature admissible (continuous)	-30 °C (-22 °F)
Max. operating temperature admissible (continuous)	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)	0.25
Coefficient of friction (pulley side/phenolic resin slider bed)	0.25
Coefficient of friction (pulley side/stainless steel slider bed)	0.15
Thermal Resistance	0.007 m <sup>2</sup> K/W (0.001 Fft <sup>2</sup> h/Btu)
Thermal Conductivity	0.048 W/mK (0.008 W/ft*F)
Admissible tensile force per unit of width	6.5 N/mm (37 lbf/in)
Admissible tensile force per unit of width at max. temp	1.9 N/mm (11 lbf/in)
Seamless manufacturing width	2400 mm (94.49 inch)

## 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)

## Application Suitability

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



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

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