

## General Information

## 868 3 Ply Green NBR Coarse C X FS

MWR Part#	868
Description	3 Ply Green NBR Coarse C X FS
Product Category	Processing Belts
Additional Specifications	H950019783 HAT-18PWP
Main industry segments	Cardboard converting, Paper manufacturing and processing
Applications	Paper handling belt, Processing belt
Special features	Robustness, Abrasion resistant, Constant coefficient of friction, Forgiving in case of short term shock like overloads, High coefficient of friction surface, Oil resistant, Versatile



## Product Construction Design

Conveying side material	Acrylonitrile-Butadiene-Rubber (NBR)
Conveying side surface	Coarse textile structure
Conveying side property	Adhesive
Conveying side color	Apple green
Traction layer (material)	Polyamide (PA)
Number of Fabrics	3
Pulley side material	Polyurethane cross-linked (PUR)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Black

## Product Characteristics

Antistatically equipped	Yes
Adhesive free joining method	No
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No

## Technical Data

Thickness of belt	3.8 mm (0.15 inch)
Mass of belt (belt weight)	4.1 kg/m <sup>2</sup> (0.840 lb/sqft)
Tensile force for 1% elongation (k1% static)	7.0 N/mm (40 lbf/in)
Tensile force for 1% elongation after relaxation	3.2 N/mm (18 lbf/in)
Min. operating temperature admissible	0 °C (32 °F)
Max. operating temperature admissible	100 °C (212 °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)	0.15
Coefficient of friction (pulley side/stainless steel slider bed)	0.15
Admissible tensile force per unit of width	16 N/mm (91 lbf/in)
Admissible tensile force at max. operating temperature	16 N/mm (91 lbf/in)
Seamless manufacturing width	2400 mm (94.49 inch)

## Joining Related Properties

Joining method	Thermofix 90°
Pulley diameter (minimum)	50 mm (1.97 inch)
Pulley diameter minimum with counter flecion	60 mm (2.36 inch)

## Application Suitability

Slider bed suitable	Yes
Carrying rollers suitable	Yes
Troughed installation suitable	No
Powerturns / curved installations	No
Knife-edge (nosebar) suitable	No



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

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