

## General Information

## 834-2 2 Ply Green NBR Rough C X B

MWR Part#	834-2
Description	2 Ply Green NBR Rough C X B
Product Category	Processing Belt
Additional Specifications	H010100340 HAR-12E
Applications	Paper handling belt, Powerturn belt, Processing belt
Main industry segments	Cardboard converting, Paper manufacturing/processing, Secondary pkg
Special features	Robustness, Abrasion resistant, Constant coefficient of friction, High coefficient of friction surface, Oil resistant, Powerturn suitable, Versatile



## Product Construction Design

Conveying side material	Acrylonitrile-Butadiene-Rubber (NBR)
Conveying side surface	Rough textile structure
Conveying side property	Adhesive
Conveying side color	Green
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	White

## Product Characteristics

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

## Technical Data

Thickness of belt	1.9 mm (0.07 inch)
Mass of belt (belt weight)	1.8 kg/m <sup>2</sup> (0.369 lb/sqft)
Tensile force for 1% elongation (k1% static)	21 N/mm (120 lbf/in)
Tensile force for 1% elongation after relaxation	14 N/mm (80 lbf/in)
Min. operating temperature admissible	-20 °C (-4 °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	22 N/mm (126 lbf/in)
Admissible tensile force at max. operating temperature	8.0 N/mm (46 lbf/in)

## Joining Related Properties

Joining method	Thermofix 90°
Pulley diameter (minimum)	40 mm (1.57 inch)
Pulley diameter minimum with counter flection	50 mm (1.97 inch)

## Application Suitability

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



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

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