

General Information

847-1 2 Ply Green EPDM Long. Rib C X FS

MWR Part#	847-1
Description	2 Ply Green EPDM Longitudinal Rib C X FS
Product Category	Processing Belt
Additional Specifications	H010100189 HAL-12E
Main industry segments	Cardboard converting, Distribution, Paper manufacturing and processing
Applications	Acceleration belt, Decline belt, Incline belt, Paper handling belt
Special features	Abrasion resistant, Constant coefficient of friction, High coefficient of friction surface, Temperature variation resistant, Robustness



Product Construction Design

Conveying side material	Rubber (EPDM)
Conveying side surface	Longitudinal groove structure
Conveying side property	Super-adhesive
Conveying side color	Green
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
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
Food suitability, USDA recommendations	No use intended

Technical Data

Thickness of belt	2.5 mm (0.10 inch)
Mass of belt (belt weight)	2.5 kg/m ² (0.512 lb/sqft)
Tensile force for 1% elongation (k1% static)	22 N/mm (126 lbf/in)
Tensile force for 1% elongation after relaxation	15 N/mm (86 lbf/in)
Min. operating temperature admissible	-30 °C (-22 °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 w/ 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	7.0 N/mm (46 lbf/in)
Seamless manufacturing width	1200 mm (47.24 inch)

Joining Related Properties

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

Application Suitability

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