

General Information

2249-4 1 Ply Black PVC 150 Smooth C X FS

MWR Part#	2249-4
Description	1 Ply Black PVC 150 Smooth C X FS
Product Category	Heavy Conveyor Belts
Additional Specifications	H250000588 A150COS-B
Main industry segments	Distribution centers, General conveying
Special features	Temperature variation resistant



Product Construction Design

Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Smooth
Conveying side property	Adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	Black

Product Characteristics

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

Technical Data

Thickness of belt	3.7 mm (0.15 inch)
Mass of belt (belt weight)	5.1 kg/m ² (1.040 lb/sqft)
Tensile force for 1% elongation (k1% static)	35 N/mm (200 lbf/in)
Tensile force for 1% elongation (k1% relaxed)	15 N/mm (87 lbf/in)
Min. operating temperature admissible (continuous)	-23 °C (-10 °F)
Max. operating temperature admissible (continuous)	82 °C (180 °F)
Coefficient of friction (pulley side / steel driving pulley)	0.20
Coefficient of friction (pulley side/driving pulley w/friction cover)	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)	0.30
Admissible tensile force per unit of width	26 N/mm (146 lbf/in)
Admissible tensile force per unit of width at max. temp	11 N/mm (65 lbf/in)
Seamless manufacturing width	1829 mm (72.00 inch)

Joining Related Properties

Joining method	Clipper #2HT (Master method), Flexproof 10 x 80 (Optional method)
Pulley diameter (minimum)	102 mm (4.00 inch)
Pulley diameter minimum with counter flection	102 mm (4.00 inch)

Application Suitability

Slider bed suitable	Yes
Carrying rollers suitable	Yes
Powerturns / curved installations	No
Knife-edge (nosebar) suitable	No
Low noise applications	No
Metal detector suitable	No
Mode of use or conveyance	Declined, Horizontal, Inclined



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

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