

General Information

2181-3 2 Ply White Silicone Smooth C X B

MWR Part#	2181-3
Description	2 Ply White Silicone Smooth C X B
Product Category	Food Belts
Additional Specifications	H700001879 WVT-140
Main industry segments	Biscuit and Crackers, Candy, Chewing gum, Chocolate, Plastics
Applications	Cooling (line) belt, Food processing/conveying belt
Special features	Easy release, High temperature resistant, Wear resistant



Product Construction Design

Conveying side material	Silicone (SI)
Conveying side surface	Smooth
Conveying side property	Super-adhesive
Conveying side color	White
Traction layer (material)	Aramid fabric
Number of Fabrics	2
Pulley side material	Aramid fabric
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	Beige

Product Characteristics

Antistatically equipped	Yes
Adhesive free joining method	Yes
Food suitability, FDA conformance	Yes
Food suitability, EU conformance	Yes

Technical Data

Thickness of belt	1.7 mm (0.07 inch)
Mass of belt (belt weight)	1.8 kg/m ² (0.369 lb/sqft)
Tensile force for 1% elongation (k1% static)	2.6 N/mm (15 lbf/in)
Tensile force for 1% elongation after relaxation (k1% relaxed)	2.2 N/mm (13 lbf/in)
Min. operating temperature admissible (continuous)	-30 °C (-22 °F)
Max. operating temperature admissible (continuous)	180 °C (356 °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)	0.20
Coefficient of friction (pulley side / stainless steel slider bed)	0.20
Admissible tensile force per unit of width	5.5 N/mm (31 lbf/in)
Admissible tensile force per unit of width at max. temp	5.0 N/mm (29 lbf/in)
Seamless manufacturing width	1500 mm (59.06 inch)

Joining Related Properties

Joining method	Flexproof 10 x 80
Knife-edge (nosebar) radius (minimum)	4 mm (0.157 inch)
Pulley diameter (minimum)	30 mm (1.18 inch)
Pulley diameter minimum with counter flection	40 mm (1.57 inch)

Application Suitability

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