700 0 Ply Blue PU Glossy C X Drive

General Information	
MWR Part#	700
Description	0 Ply Blue PU Glossy C X DRIVE
Product Category	Positive drive
Additional Specifications	H010102843 CD.P50-A-UC
Applications	Food processing/conveying belt
Special features	Abrasion resistant on both sides, Bi-directional suitable
Main industry segments	Bread, Candy, Chocolate, Dairy (incl. cheese), Frozen food, Fruit, Pizza, Poultry, Ready meals, Red meat, Seafood, Vegetables

Product Construction Design	
Material	Thermoplastic polyurethane (TPU)
Color	Cobalt blue
Conveying side surface	Glossy
Conveying side property	Adhesive
Traction layer (material)	Aramid cords
Pulley side surface	Drive bars

Product Characteristics	
Antistatically equipped	No
Conveying side conductive surface acc. EN ISO	No
Slider bed suitable	Yes
Carrying rollers suitable	No
UV-C suitable	No
Laser markable	Yes
Flammability	Tested according to UL 94HB (USA) requirement; HB= Horizontal Burning
Food suitability, EU conformance	Yes - acc. to Regulation (EC) No. 1935/2004
Food suitability, FDA conformance	Yes
Food suitability, USDA recommendations	USDA certified for compliance with USDA, Meat and Poultry Processing.
Other conformance/approval	Halal certified, Japanese Food Regulation (MHLW Notification No. 370)

Technical Data	
Hardness	95 ShA
Thickness of belt	3.0 mm (0.12 inch)
Distance between cords	15 mm (0.59 inch)
Nominal drive bar pitch	50.4 mm (1.984 inch)
Mass of belt (belt weight)	4.2 kg/m² (0.860 lb/sqft)
Min. operating temperature admissible (continuous)	-20 °C (-4 °F)
Max. operating temperature admissible (continuous)	80 °C (176 °F)
Coefficient of friction (PE sliding support)	0.40
Admissible tensile force per unit of width (Quickmelt)	8.0 N/mm (46 lbf/in)
Admissible tensile force per unit of width Lace SS Rod)	5.5 N/mm (31 lbf/in)
Admissible tensile force per unit of width (Lace POM Rod)	4.0 N/mm (23 lbf/in)
Minimal width of belt	150 mm (6 inch)

Joining Related Properties	
Joining method	Quickmelt (Master), Lace (SS Rod) (Optional), Lace (POM Rod) (Optional)
Minimal pitch diameter for driving & Idling sprockets	80.8 mm (3.18 inch)
Minimal diameter for belt support roller	75 mm (3 inch)
Minimal back-bending roller diameter for center drive	100 mm (4 inch)

Application Suitability	
Troughed installation suitable (Quickmelt)	Yes
Troughed installation suitable (Mechanical Lace)	No
X-Ray / Metal detectable material	No
X-Ray / Metal detector suitable (Quickmelt, Lace POM Rod)	Yes
X-Ray / Metal detector suitable (Lace SS Rod)	No