



PRODUCT DATA SHEET

NOVITANE® • SHEETING • CONVEYOR BELTING • CUSTOM PRODUCTS

NOVITANE® MONOFILAMENT REINFORCED FOOD GRADE CONVEYOR BELTING

This line of **NOVITANE** Food Grade conveyor belting is reinforced with an all polyester single ply fabric utilizing multifilament polyester warp yarns to provide the belt with longitudinal flexibility, while the monofilament polyester weft yarns provide the belt with transverse rigidity enabling it to lay flat, and enhance its longitudinal tear resistance. The cast polyurethane saturated polyester fabric provides a low coefficient of friction on the bottom surface making it ideal for slider bed conveyor applications. The polyester based **NOVITANE** polyurethane is specially formulated to meet the requirements of the FDA and has the approval of the USDA for direct food contact use in meat and poultry plants. The .045 inch thick 85 durometer polyurethane cover has been formulated to provide excellent resistance to abrasion, oils, fats, grease and cleaning solutions in addition to having excellent cut and tear resistance. Our unique heat weld system enables this belt construction to be quickly and easily spliced endless after the belt has been installed, significantly reducing maintenance costs and production downtime.

FEATURES:

- * Polyester fabric with a monofilament weft
- * Urethane saturated bottom friction surface
- Meets FDA and is approved by USDA for direct food contact
- * Resistant to oils, fats, grease and cleaning solutions
- * Resistant to abrasion, cutting and tearing

BENEFITS:

- * Belt elongation of less than 1% at recommended working tension
- * No fabric plies to delaminate resulting in longer service life
- * Low coefficient of friction for slider bed service
- * Easily and quickly spliced endless by heat welding
- * Cleats and V-guides can be easily attached by heat welding



**NOVITANE® MONOFILAMENT REINFORCED FOOD GRADE
CONVEYOR BELTING SPECIFICATION DATA:**

FG-55/85 - COS (5)

Reinforcement	Multifilament
Warp	Polyester
	Monofilament
Weft	Polyester
Tension Rating (PIW)	55
1% Elongation (PIW)	90
Maximum Belt Width	48"
Random Slab Length	300'
Overall Thickness	5/64"
Color	Clear
Cover Durometer (Shore A)	85
Top Cover Thickness	.045"
Bottom Cover Thickness	FS
Minimum Pulley Diameter*	1"
Weight Per Foot (PIW)	.038#
Temperature Range (Deg. F)	
Minimum	40
Maximum	175
Coefficient of Friction	
Top Cover	.38
Bottom Cover	.22
Meets FDA	Yes
USDA Approved	Yes
Mechanical Fasteners	
Alligator	#62
Gator	#1AD
Clipper	#25LP

*Note: Due to the very low elongation and transverse stiffness characteristics of NOVITANE belting, the crowning of pulleys should be minimal. With either a straight taper crown or a cylindrical center section crown, **a maximum of .030" per foot of face tape is recommended.**

HEAT-WELDED ENDLESS SPLICING: Refer to Procedures for Splicing NOVITANE Conveyor Belt dated 4/1/98