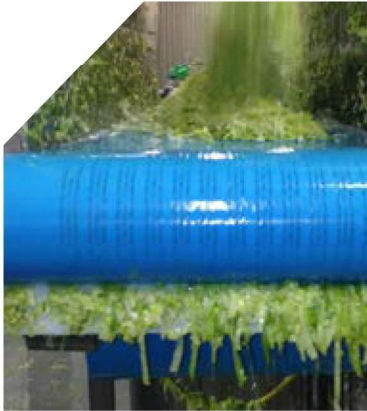




# TPU BELTS

THERMOPLASTIC POLYURETHANE

## DEWATERING BELT



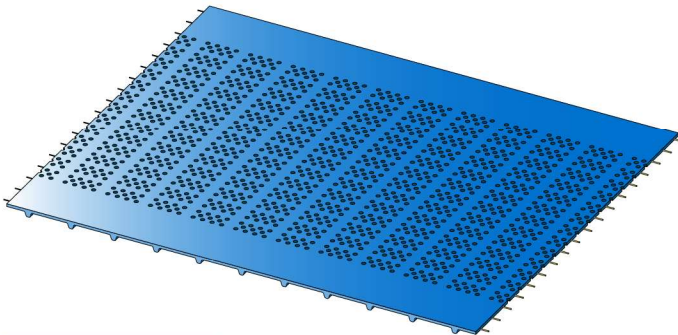
**Gates Mectrol Dewatering Belt is used in common produce processing applications such as fruits and vegetables**

- > Embedded Kevlar® cord prevents belt stretch
- > Longer life than mesh belting
- > USDA approved and EU compliant

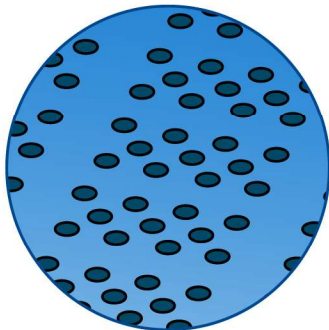
### Two Belt Constructions

#### For Belt Integrity

- > 2.5" Solid Edge Border

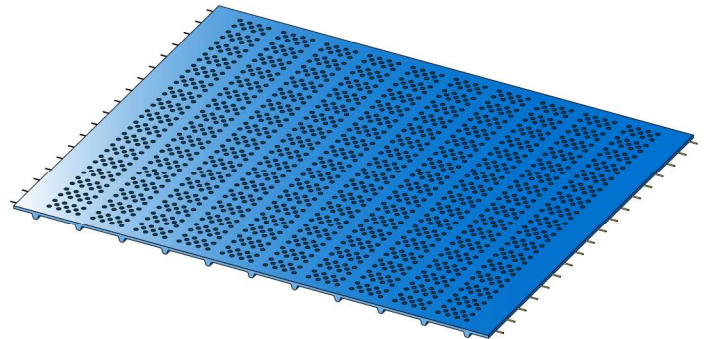


<b>Opening</b>	3/16" Dia.	17%
<b>Widths Available</b>	18" and 36"	



#### For Maximum Drainage

- > Holes Punched to Edge



<b>Opening</b>	3/16" Dia.	17%
	1/4" Dia.	21%
<b>Widths Available</b>	18" to 36" in 1"	

# DEWATERING BELT



## Belt Specifications

	<b>PC20 Modified</b>
<b>Belt Options</b>	
<b>Designator</b>	KV-FDA
<b>Cords/Inch</b>	1
<b>Pitch (nominal)</b>	1.97" (50 mm)
<b>Hardness - Shore A</b>	95
<b>Specific Belt Weight (lbs/ft/in)</b>	0.089
<b>Specific Belt Stiffness (lbs/inch)</b>	3700
<b>Min. Sprocket Dia. Service Temp Above 25°F</b>	3.76" (95.5 mm)
<b>Min. Sprocket Dia. Service Temp Below 25°F</b>	6.27" (159.3 mm)
<b>Min. Back Bend Dia. Above 25°F</b>	6" (152.4 mm)
<b>Min. Back Bend Dia. Below 25°F</b>	10" (254.0 mm)
<b>Service Temperature Range</b>	-4° to 158° F (-20° to 70°C)
<b>Ultimate Belt Strength (lbs/in of width)</b>	132
<b>Coefficient of Friction</b>	
<b>Urethane vs. UHMW - Dry (dynamic/static)</b>	0.33 / 0.42
<b>Urethane vs. UHMW - Wet (dynamic/static)</b>	0.35 / 0.58
<b>Urethane vs. Stainless Steel - Dry (dyn/static)</b>	0.52 / 0.57
<b>Urethane vs. Stainless Steel - Wet (dyn/static)</b>	0.40 / 0.57
<b>Coefficient of Thermal Expansion (in/in/°F)</b>	1.09 x 10 <sup>-4</sup>
<b>[mm/mm/°C]</b>	1.96 x 10 <sup>-4</sup>
<b>Color</b>	PosiBlue
<b>Std. Roll Stock Length</b>	200' (61 m)

## Max. Allowable Tension (lbs per inch width)<sup>1</sup> based on Splicing Option

<b>Belt Options</b>	
<b>Butt Weld</b>	40
<b>PosiLace™</b>	26

<sup>1</sup> Max allowable set as the lower of 25% yield strength or 2% stretch of weld or splice

## PosiClean Sprocket & Support Guidelines

<b>Belt Width</b>	9" (221 mm)	12" (305 mm)	15" (381 mm)	18" (451 mm)	21" (533 mm)	24" (610 mm)	27" (686 mm)	30" (672 mm)	36" (914 mm)
<b>Min. No. Sprockets Max. 5" [127 mm] spacing center to center</b>	3	4	4	5	6	6	7	7	9
<b>No. of Sprockets for max. allow. tension Max. 3" [76 mm] spacing center to center</b>	4	5	6	7	8	9	10	11	13
<b>Min. No. Carryway Supports 6" [152 mm] spacing center to center</b>	3	3	4	4	5	5	6	6	7

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