



Key Industries:

- Red Meat
- Poultry
- Fruit & Vegetable
- Snack

Key Applications:

- Inclines/Declines
- Around curves
- Upstream lines with plastic modular belting

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Rexnord Dual Detectable Material for Plastic Modular Belts

Every year, millions of pounds of food product is recalled due to contamination from a foreign object. These public recalls cost processors millions in direct and indirect revenue losses.

When a conveyor system is properly installed and maintained, the risk of belt failure and product contamination is low. Sometimes, however, belts are overused and become excessively worn. If not addressed, the risk of contamination increases. The Rexnord® Dual Detectable (DD) material for KleanTop® and TableTop® products is detectable under both metal and x-ray machines, giving you an additional safeguard to catch product contamination before it leaves the line.

Added Protection in Challenging Applications

Certain parts of the processing line are known to be hard on conveyor belts. Edge wear against rails, high impact on flights and sideguards are just a few reasons why belts wear down. To the naked eye, a seemingly perfect belt may be shredding and sending imperceptible particles onto the line. Safeguarding your business and

your customers against these hazardous situations requires a multi-faceted approach, ensuring your conveyor systems are operating at the highest level, and implementing backup protections to give you the best chance of detecting contamination.

Metal and X-ray Detection in One Material

Unlike many detectable materials, Rexnord's Dual Detectable material can be picked up by both metal and x-ray machines. This is helpful not only from a cost perspective, but gives you two possible methods to detect belting particles in one material.

Expertise for Peace of Mind

When it comes to protecting your operation from foreign object contamination, the best line of defense is a properly designed, installed and maintained conveyor system. The second line of protection is using detectable material. The Rexnord team of experts can provide you with both, helping to ensure your customers enjoy food that is high quality and contamination free.

Dual Detectable Material	KleanTop Series Available	TableTop Series Available
BHT-DD	590, 1010, 1090, 2010	
BLT-DD	1010, 1090, 2010	
SMB-DD	390, 590, 1010, 1090, 2010	821, NH82

*Material definitions on reverse side.



Material Information								
Prefix	Material	Temperature						FDA and EC 10/2011 Approved
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
BHT-DD	Blue High Temperature Dual Detectable	40	220	212	4	104	100	Yes
BLT-DD	Blue Low Temperature Dual Detectable	-100	80	80	-73	27	27	Yes
SMB-DD	Blue Cut Resistant Dual Detectable	0	180	150	-18	82	66	Yes

Friction Factors Between BHT-DD Materials and Wearstrip				
Operating Condition	Wearstrip Material			
	Carbon and Stainless Steel	UHMWPE	Nylatron	ULF
Dry	0.35	0.30	0.30	0.26
Water	0.30	0.25	0.25	0.22
Soap and Water	0.25	0.20	0.20	0.19

Friction Factors Between BLT-DD Materials and Wearstrip				
Operating Condition	Wearstrip Material			
	Carbon and Stainless Steel	UHMWPE	Nylatron	ULF
Dry	0.28	0.23	0.23	0.20
Water	0.22	0.20	0.20	0.19
Soap and Water	0.20	0.15	0.15	0.14

Friction Factors Between SMB-DD Materials and Wearstrip				
Operating Condition	Wearstrip Material			
	Carbon and Stainless Steel	UHMWPE	Nylatron	ULF
Dry	0.30	0.25	0.25	0.22
Water	0.23	0.21	0.21	0.20
Soap and Water	0.20	0.15	0.15	0.14