

# BWX MATERIAL

## FOR GLASS MANUFACTURING

At Regal Rexnord, we understand the unique challenges of the glass manufacturing sector - from extreme temperatures and abrasive environments to the need for precision, uptime, and energy efficiency. Our mission is to empower glass producers with reliable, innovative motion control solutions that keep operations running smoothly and sustainably.

### SUPERIOR ABRASION RESISTANCE AND BEST TOTAL COST OF OWNERSHIP

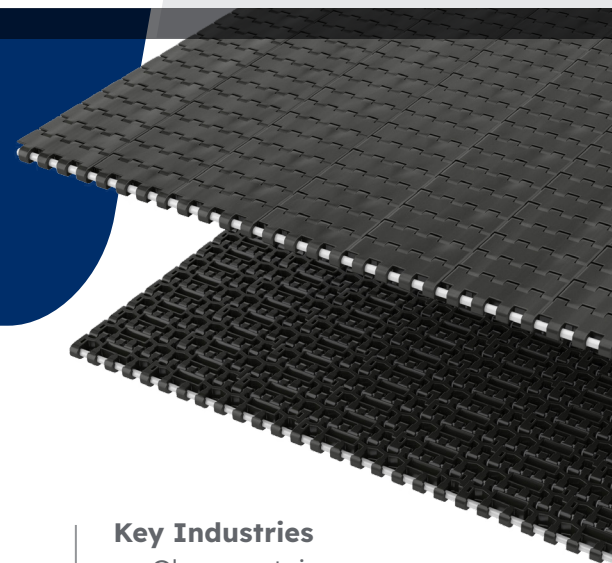
Regal Rexnord's BWX material is designed for glass container manufacturing and delivers industry-leading abrasion resistance for harsh, high-wear environments. It also ensures the best total cost of ownership, making BWX the top-performing solution for demanding glass conveying applications.

### TARGET APPLICATIONS

- BWX is specially formulated for use in abrasive applications where chains are exposed to glass, sand, dirt, and other harsh particles
- May extend chain wear life up to five times compared to acetal materials
- Designed for glass handling applications where abrasive glass shards can rapidly wear down other plastic chain materials

### REXNORD® TABLETOP® AND MATTOP® SERIES

TableTop Series	MatTop Series
820	1000 FlatTop and FlatTop freeflow (molded to width and assembled to width)
880 TAB and Bevel	1005 FlatTop
1055 Magnetflex and TAB	7005 (molded to width, assembled to width and designed to specification)
1060 Magnetflex	



### Key Industries

- Glass container manufacturing
- Bottle manufacturing

### Key Applications

- Demanding loads and speeds in highly abrasive environments
- Suitable for dry applications
- Straight running and curves/ side-flexing

### Material

- BWX

### General Specifications

- Best abrasion resistant material
- Low coefficient of friction, chain to container and chain to wear strip
- Glass contact temperatures up to 85 degrees Celcius (185 F)



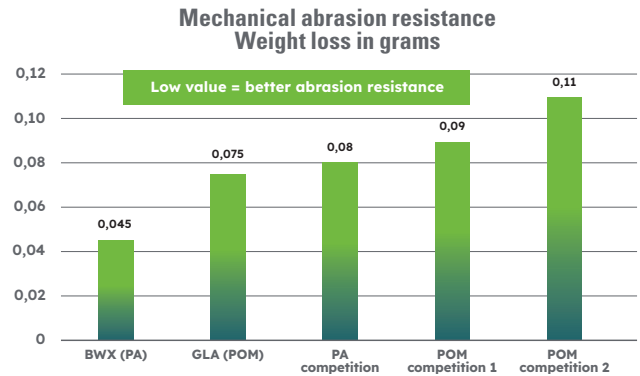
# BWX MATERIAL FOR GLASS MANUFACTURING

## FEATURES AND BENEFITS

- Available in multiple chain types – MatTop and TableTop, including side-flexing chains
- Engineered specifically for glass containers and abrasive environments
- Superior abrasion resistance for longer chain life and reduced maintenance
- Polyamide-based chain – high wear resistance and minimal dust generation
- Helps reduce total cost of ownership (TCO) by minimizing downtime and replacement frequency

## PLASTIC MATERIALS ABRASION RESISTANCE COMPARISON

- Wear testing
- Sandpaper test on materials is the most predictable indicator of wear
- BWX performs better than other common materials in the glass industry



## GENERAL INFORMATION - TABLETOP AND MATTOP PRODUCT

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
BWX	Glass Conveying Wear Resistant (Black)	-80	220	NR	-62	104	NR	No

## FRICITION FACTORS BETWEEN MATERIAL AND PRODUCT

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink-wrap, etc.)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	-	-	-	NR	-	-	0.10

## FRICITION FACTORS BETWEEN MATERIAL AND WEARSTRIP

Operating Condition	Wearstrip Material			
	Carbon and Stainless Steel	UHMWPE	Nylatron	ULF®
Dry	0.30	0.28	0.28	0.25
Water	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR
Oil	0.10	0.10	0.10	0.10

# REXNORD™

Automation and Motion Control  
Regal Rexnord

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