



**Key Industries:**

- Glass container manufacturing
- Bottle manufacturing

**Key Applications:**

- Medium loads and speeds in a low dust, clean environment
- Dry or wet applications
- Straight running and curves/side-flexing

**Material:**

- GLA

**General Specifications:**

- Low coefficient of friction, chain to container and chain to wear strip
- Glass contact temperatures up to 60 degrees Celcius (140 F)

# Glass Manufacturing Scratch Resistant Chain Material (GLA)

For decades Rexnord® has been on the cutting edge of industry leading solutions for conveyor chain and component solutions through revolutionary developments of new chain materials to meet the increasing performance demands of high speed filling lines in the food, beverage and unit handling industries.

**Breakthrough Industrial Solution - GLA Material**

Specifically developed for glass container manufacturing, Rexnord's GLA material is engineered for applications where clean glass bottle manufacturing and handling occurs, and scratch resistance is a key requirement in the process.

**Target Applications**

The new GLA material is targeted for glass

manufacturing and glass container handling in clean, low dust, medium load and speed applications. GLA material has good Pressure Velocity (PV) wear resistance and minimal-tonsqueaking in curves for ultimate comfort in the production environment. The GLA material can be exposed to water - unlike nylon based materials.

**Giving Customers a Choice in Performance**

Rexnord offers a full range of glass line materials:

- GLA material as a value based solution with high scratch resistance
- DKA / WX for those applications where superior abrasion and low PV wear resistance is required

**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	1001-84 mm (Molded to width)
1040 FTM	7705 (Molded to width, assembled to width and designed to specification)
1055 Magnetflex and TAB	8505 (Molded to width and assembled to width)
1060 Magnetflex	
RHMP - 84mm	

**Features and benefits:**

- **Available in Multiple Chain Types** — MatTop and TableTop including side-flexing chains
- **Engineered Specifically for Glass Bottles** — Chains made with materials specifically for the product lead to reduced Lower Total Cost of Ownership (TCO)
- **Runs Wet or Dry** — Can be cleaned with water unlike nylon based chain
- **Engineered Polymer-based Chain** — Easy to clean and maintain with high scratch resistance and long wear life resulting in minimal-to-no dust

**General Information - TableTop and MatTop product**

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
GLA	Glass Conveying Scratch Resistant (Black)	0	140	140	-18	60	60	yes

**Friction 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	NR	0.22	0.16	NR	NR	NR	NR
Water	NR	0.20	0.14	NR	NR	NR	NR
Soap and Water	NR	0.14	0.10	NR	NR	NR	NR
Oil	---	---	---	---	---	---	NR

**Friction Factors Between Material and Wearstrip**

Operating Condition	Wearstrip Material			
	Carbon and Stainless Steel	UHMWPE	Nylatron®	ULF™
Dry	0.25	0.20	0.20	0.16
Water	0.20	0.18	0.18	0.14
Soap and Water	0.15	0.15	0.15	0.13
Oil	0.10	0.10	0.10	0.10

**Count on us for trusted chain material, design and technical expertise**

The combination of our chain design and technical expertise can help you choose durable conveyor systems that guarantee optimal product handling without compromising your ability to meet targets for safety improvements, increased productivity, water reduction, and energy savings.