

ONE STOP SHOP
FOR ALL YOUR CONVEYOR NEEDS



PVG SOLID WOVEN CONVEYOR BELTS

Reliable. Durable. Engineered for Demanding Environments.

PVG Solid Woven Conveyor Belts are high-performance belts designed for tough industrial applications, especially where moisture, impact, and abrasion are major concerns. Manufactured using a single-ply, all-polyester interwoven carcass and covered with a specially formulated PVG compound (a blend of PVC and nitrile rubber), these belts offer a superior combination of strength, flexibility, and chemical resistance.

Developed to meet the rigorous demands of underground mining, power plants, tunneling, and bulk material handling, PVG belts ensure minimal stretch, exceptional fastener retention, and extended belt life even in corrosive and low-temperature environments. The unique construction provides a smooth, uniform surface with excellent cover bonding and flex resistance, making it a dependable and cost-effective solution for various conveying needs.

Whether your operation involves coal, minerals, chemicals, or fertilizers, PVG Solid Woven Belts from Rubbex Conveyors deliver long-lasting performance with reduced maintenance and higher operational efficiency.



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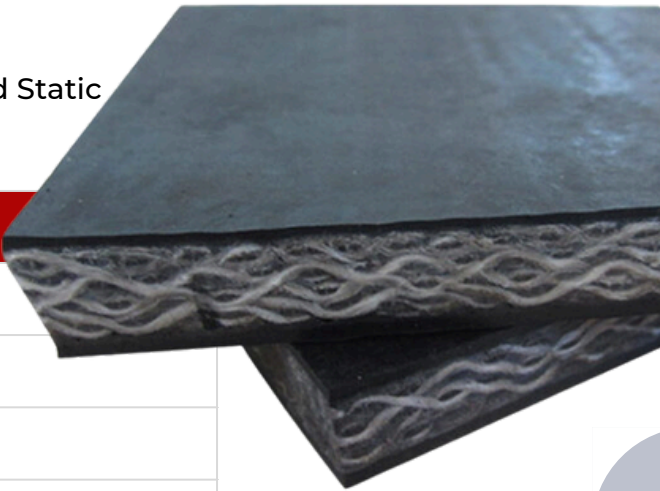
Product Highlights



- **Brand:** Rubbex Conveyors
- **Product Type:** PVG Solid Woven Conveyor Belt
- **Carcass:** Single-Ply, All-Polyester Interwoven
- **Cover Material:** PVG (PVC + Nitrile Blend)
- **Resistance Grades:** Abrasion, Impact, Moisture, Oil, and Static

Technical Overview

Property	Details
Construction	Solid Woven, Single Ply
Carcass Material	100% Polyester Interwoven
Cover Compound	PVG (PVC + Nitrile Rubber Blend)
Surface Properties	Moderate Oil Resistance, Low Temperature Compatibility
Tensile Strength	High – Designed for heavy-duty applications
Fire & Anti-static	Optional grades available upon request



Key Features & Benefits

- ✓ **Exceptional Wear Resistance**
 - Minimizes surface wear and improves belt life in abrasive environments.
- ✓ **Superior Impact Resistance**
 - Excellent shock absorption, ideal for high-load and bulk material handling.
- ✓ **Chemical, Static & Moisture Resistant**
 - Designed to perform in chemically aggressive and damp environments.
- ✓ **Enhanced PVG Compound**
 - Proprietary PVG blend improves cover adhesion, durability, and flex life.
- ✓ **Improved Belt Life & Fastener Holding**
 - Maintains strength under load, ensuring better retention of mechanical fasteners.
- ✓ **Corrosion-Resistant Construction**
 - Prevents deterioration due to environmental and chemical exposure.
- ✓ **Flexible Yet Strong**
 - Excellent flex resistance and low elongation properties during operation.

Ideal Applications

- Underground mining (coal, lignite)
- Tunnel conveyors
- Fertilizer and chemical plants
- Grain handling facilities
- Power plants
- Cement and construction material handling

Available Sizes & Customization

- **Belt Width:** 500mm to 1800mm
- **Thickness:** 6mm to 12mm (custom on request)
- **Cover Thickness:** 1.5mm to 4mm
- **Lengths:** As per operational requirement
- **Grades:** M24 / FR / SAR / OR available

Conveyor Belt Comparison Table



Feature	PVG Solid Woven	PVC Conveyor Belt	Rubber Fabric Belt (EP/NN)	Steel Cord Belt
Construction	Solid woven polyester carcass	Multi-ply or solid woven with PVC	Multiple fabric plies (EP, NN) with rubber	Embedded steel cords with rubber
Cover Material	PVG (PVC + Nitrile)	PVC	Natural/Synthetic Rubber	Natural/Synthetic Rubber
Strength & Load Bearing	Medium-High	Medium	Medium-High	Very High
Impact Resistance	Excellent	Moderate	Good	Excellent
Abrasion Resistance	High (Improved with PVG)	Moderate	High	Very High
Tear Resistance	Good	Fair	Good	Excellent
Moisture Resistance	Excellent (sealed carcass)	Excellent	Poor	Moderate
Chemical Resistance	Good (depends on PVG grade)	Good	Limited	Limited
Fire Resistance (FR Grade)	Available (PVG-FR)	Available	Available	Available
Oil Resistance	Moderate (PVG compound)	Limited	Available (OR Grade)	Limited
Flexibility	High	High	Moderate	Low
Tensile Strength	Medium-High	Medium	High	Very High
Fastener Holding Ability	Superior	Good	Good	Not ideal for mechanical
Application Suitability	Mining, fertilizer, power, tunneling	Food, packaging, light industry	Cement, coal, iron ore, general	Long-distance, heavy-duty mining,
Cost	Economical for performance	Low	Medium	High

Conveyor Belt Comparison Table

Belt Type	Best For
PVG Solid Woven	Underground mining, wet or corrosive areas
PVC Belts	Light-duty, food-grade, or packaging conveyors
EP/NN Rubber Belts	Heavy-duty bulk materials, cement, mining
Steel Cord Belts	Very long-distance, high-load, high-speed use



RESIST MORE. PERFORM BETTER.

PVG Solid Woven Conveyor Belts offer a unique combination of performance, durability, and value, making them an ideal choice for demanding industrial applications. They provide greater impact and abrasion resistance than standard PVC belts, ensuring longer service life in high-wear conditions. Compared to conventional fabric belts, PVG belts deliver superior resistance to moisture and chemicals, thanks to their sealed solid woven carcass and specialized PVG compound. Unlike rigid steel cord belts, PVG belts are more flexible and significantly more economical, making installation and maintenance easier while keeping costs under control. These belts are especially well-suited for underground operations and damp environments, where safety, reliability, and resistance to harsh conditions are critical. Overall, PVG belts offer a balanced performance-to-cost ratio, providing excellent value without compromising on operational efficiency.

Partner with us to improve throughput, reduce maintenance, and get the performance your operation demands.

OUR GLOBAL PRESENCE

- 
- 📍 RBK International Gulf LLC Dubai, United Arab Emirates
 - 📍 RBK International (SG) Pte Ltd – Singapore
 - 📍 PT RBK International Indonesia – Indonesia
 - 📍 RBK International (UK) Ltd – United Kingdom
 - 📍 RBK Industries Limited – India
 - 📍 RBK International (Canada) Ltd – Canada
 - 📍 RBK International (Australia) Pty Ltd – Australia
 - 📍 RBK International Benin SARL – Benin
 - 📍 RBK International Netherlands B.V. – Netherlands

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