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## Vulkollan® Heavy-Duty Industry Wheels

Title	Vulkollan® Heavy-Duty Industry Wheels
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### Description

Vulkollan® heavy-duty wheels offer exceptional strength, oil and heat resistance, and low rolling resistance. Ideal for AGVs, forklifts, and gantry systems, they ensure durability and performance in harsh environments. Learn why Vulkollan® is the preferred choice for industrial wheels.



As a trusted manufacturer of heavy-duty drive wheels, we specialize in producing high-performance industrial wheels using premium materials, such as Vulkollan—a polyurethane elastomer renowned for its exceptional strength and resilience.

#### What Is Vulkollan®?

Vulkollan® is a registered trademark of Covestro, representing a class of high-performance polyurethane elastomers created through the reaction of Desmodur® 15 with special polyester polyols. This advanced polyurethane material bridges the gap between rubber and plastic, offering superior physical properties for demanding industrial applications.

#### Key characteristics of Vulkollan®

**Color shift during curing:** A distinctive feature of genuine Vulkollan® is its color change during the curing process—often from light white to a darker amber—indicating complete chemical bonding and high-quality crosslinking.

**Adjustable hardness (shore A 65–97):** Offers a broad hardness range to meet different load and traction requirements.

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Oil & grease resistance: Vulkollan® resists swelling or degradation in contact with industrial oils, fuels, and greases, making it ideal for harsh working conditions.

High temperature resistance: It performs reliably in environments ranging from -20°C to +80°C and can temporarily withstand even higher temperatures.

Excellent dynamic load capacity: It supports high-speed, continuous use under dynamic loads without permanent deformation.

Superior abrasion and tear resistance: Outperforms standard PU in longevity, especially in rough or abrasive conditions.

#### Features of Vulkollan® wheels

High load-bearing capacity: Ideal for moving heavy equipment with minimal compression.

Low rolling resistance: Enhances energy efficiency and reduces drive motor strain.

Shock absorption: Provides a smooth ride, even on uneven surfaces.

Durability in harsh conditions: Maintains performance under oil exposure, heavy impacts, or high temperatures.

#### Application scenarios and equipment

Vulkollan® wheels are widely used in equipment that demands precision, durability, and performance:

Automated guided vehicles (AGVs)

Rail guided vehicles (RGVs)

Electric forklifts and pallet trucks

Cranes and gantry systems

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Heavy-duty trolleys and transport platforms

Textile, steel, automotive, and logistics industries

Whether used as drive wheels, load wheels, or guide rollers, Vulkollan® wheels significantly improve equipment performance and service life.

Your trusted polyurethane wheel manufacturer

We offer Vulkollan® wheel replacements, custom-molded polyurethane rollers, and competitive polyurethane wheel price. Backed by advanced manufacturing and strict quality control, we ensure every wheel we produce meets the demands of modern industry.