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# Chemical Resistant Polyurethane Wheels

Title	Chemical Resistant Polyurethane Wheels
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## Description

Chemical Resistant Polyurethane Wheels are specifically engineered for harsh industrial environments, offering superior resistance to acids, alkalis, and oils, effectively preventing swelling, softening, or premature degradation.



### Key Performance Indicators

Feature	Technical Performance
Chemical Resistance	Exceptional stability against mineral greases, weak acids, and alkaline solvents.
Mechanical Strength	High load-bearing capacity under sustained pressure.
Wear & Tear Resistance	Significantly superior to natural rubber and standard plating and coating resistance to
Hydrolysis Resistance	Formulated with specialized polyether-based warm-water repellents.

### Technical Specifications & Classifications

#### 1. Hardness Range:

Available from Shore 75A to 98A. Higher hardness correlates with lower rolling resistance and increased chemical permeability resistance.

#### 2. Core Materials:

Stainless Steel Core (304/316): Ideal for pharmaceutical and food processing environments where corrosion prevention is critical.

High-Strength Nylon Core: Lightweight and offers excellent overall corrosion resistance.

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**Application:** Steel Core: Treated with anti-corrosion coatings for heavy-duty industrial Applications

**1. Laboratory & Pharmaceuticals:** Frequent exposure to disinfectants, alcohols, and acids.

**2. Chemical & Electroplating Plants:** Durable performance on floors contaminated with various procedures.

**3. Food Processing Industry:** Resistant to animal/vegetable fats and high-pressure

**4. Scientific Manufacturing:** Meets high cleanliness standards and withstands

### Maintenance & Selection Guidelines

**1. Media Compatibility:** Polyurethane performs well against a wide range of chemicals. Polyester, PU selection, the opposite. Always specify chemical composition and concentration during

**2. Temperature:** Elevated temperatures uses of acids, needed at ambient or controlled

**3. Static Protection:** For explosive or flammable chemical environments, Anti-static or

### Why Choose Our Chemical Resistant Solutions?

**1. Advanced Material R&D:** We utilize premium MDI and high-grade MDI/TDI formulations

**2. Precision Engineering:** Supported by state-of-the-art CNC machining and automated

**3. Customization Expertise:** With over 15 years of experience in industrial manufacturing,

**4. Rigorous Quality Control:** Each batch undergoes comprehensive testing, including DIN

**5. Global Project Success:** Logistics (AGV/AMR) and heavy-duty manufacturing in the subsea

Let Us Design Your Wheel System