

Plastic Rollers

Plastic rollers are cylindrical components designed to rotate within machines, enabling the smooth movement, guiding, or pressing of materials. They are commonly used in conveying, forming, and transport applications where quiet, reliable performance is critical.

Also referred to as: Conveyor Rollers, Guide Rollers, Feed Rollers, Star Wheel Rollers

DETAILS ON NYLON 6/6:

Noise Reduction – Operates more quietly than steel, making it ideal for noise-sensitive environments.

Corrosion Resistance – Resistant to rust and moisture, suitable for high-humidity or wet applications.

Wear Resistance – Withstands friction and abrasion, extending service life and reducing downtime.

Machinability – Easily fabricated into detailed geometries such as star wheels or custom profiles.

TYPICAL USAGE: Nylon 6/6 is used in applications where quiet operation, wear resistance, and moderate temperature tolerance are essential.

DETAILS ON ACETAL:

Low Friction – Promotes smooth and efficient movement with minimal resistance.

Dimensional Stability – Maintains tight tolerances under load, stress, or temperature variation.

Machinable – Enables the creation of complex and precise parts.

FDA Compliant – Suitable for use in regulated environments such as food processing.

TYPICAL USAGE: Acetal is preferred in precision applications that require smooth operation, stable dimensions, and material compliance with food-grade standards.



MATERIAL

- Acetal, Nylon 6/6

BENEFITS

- Noise Reduction
- Weight reduction
- Good Wear resistance
- Dimensional stability
- Ease of fabrication

INDUSTRIES

- Packaging Equipment
- Food Processing
- Conveyor Systems

QUESTIONS

- What is the operating environment? (Temperature, chemical, humidity/moisture)
- What sizes and tolerances are required?

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CONVEYORS

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ENGINEERED SYSTEMS