

Urethane Products

Urethane elastomers are unique because they combine many of the advantages of rigid plastics, metals and ceramics with the elasticity of rubber. Urethane resists abrasion and reduces the affects of shock and impact loading on the tubes and bearings. Urethane covered rollers will not slip like PVC and in most applications will not mar conveyed materials. Urethane provides the ultimate in wear resistance and noise dampening making it the material of choice for our sleeved and tapered rollers. In addition, our urethane shaft adapters will eliminate frame wear caused by metal to metal contact and extend the life of your conveyor frame.



We offer several types of urethane products; **Cast Sleeves and Tapers, Foam Tapers, Extruded Sleeves and Shaft Adapters.**

Cast Urethane is a high density polymer material. Standard hardness is 70 and 90 Shore A durometer. Cast urethane is available on tapered and sleeved rollers.

Urethane Foam is a lower density material. It is lighter than cast material and requires less power to start up on powered systems. Its hardness is typically 65 Shore A durometer. Urethane foam is limited to tapered rollers.

Extruded Sleeves are available in various lengths and colors. Standard color is black. Hardness is 85 Shore A durometer.

Urethane Shaft Adapters - 7/16" hex adapter over an interior 5/16" hex steel inner support shaft.

Urethane Limitations and Considerations:

When evaluating an application the following material limitations need to be considered:

- Temperature: **200 degrees F. maximum recommended.**
- Hydrolysis: Steam- Not suited for exposure to steam.
Water- Wet environments okay. Note maximum temperature limit.
- Chemicals: Strong Acids and base chemicals can rapidly degrade material.
Inquire before ordering.

Drive Options for Tapered and Sleeved Rollers: (See drawings this section)

- Grooves for line shaft or motorized slave rollers
- Sprockets on either end.
- Open area on core tube for drive belts
- Metal drive ring over urethane for drive belt