

Technical Specifications

RUBBER: Post-Consumer Waste Bicycle Inner Tubes



Advocating for the inclusion of self-sourced, used raw materials in materials libraries!

Company Name: (Non Applicable) Self-Sourced, Self-Processed Material.

Material Type: Synthetic Butyl Rubber or similar. Elastomer Type Polymer. Sustainability resource.

Composition: Post-consumer rubber material used to provide inflation and support inside bicycle tires, reusable for a variety of applications. Suitable for repurposing and upcycling in art, craft, design, and utilitarian applications.

Properties: Durable, flexible, stretchable, water and stain resistant, with inherent curves and markings. Easily cut with scissors and other cutting tools.

Applications: Substitute for new leather/vinyl/plastic/rubber materials in sewing, weaving, trim, bags, wallets, jewelry, stamp making, sculpture, and more.

Other: Tubes from motorcycles, scooters, trucks, tractors and any other tires with tubes can also be used. These differ in thickness, curvature and material size and can be sourced at shops where these tires are replaced.

UV: Extended exposure to direct sunlight for prolonged periods of time may cause cracking, fading, and/or off gas depending on specific tube manufacturer.

Access to Material: Local bike shops.



The Rubber Impact Project seeks to engage artists and designers, as well as the broader public, to adopt a mindset and culture of reuse; to create a waste flow that incorporates reuse of inner-tube rubber into a circular rubber economy; and to pressure the rubber industry to move toward greater sustainability and environmental responsibility.

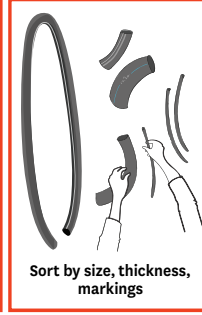
For more information on our art and design activism, installations, exhibitions, recognitions, and more, please visit: www.rubberimpact.org

Working to Close the LOOP and Promote REUSE

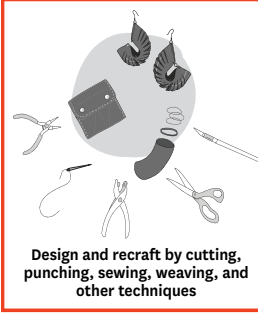


Wash with biodegradable soap; for washing machine, set to cold

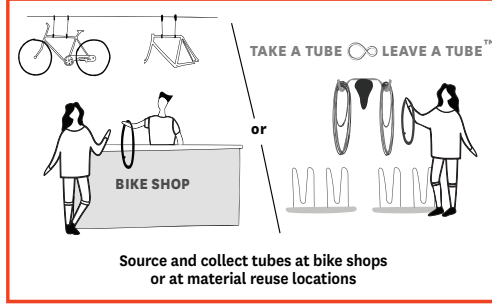
Air dry, or set dryer at lowest heat for up to 5 minutes



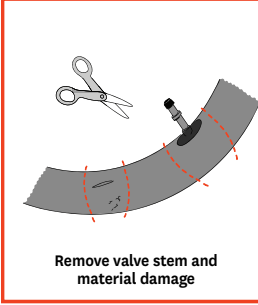
Sort by size, thickness, markings



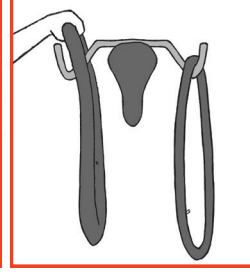
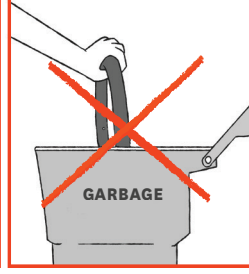
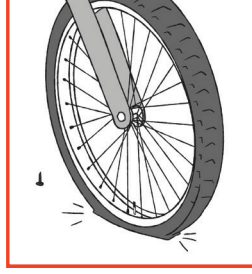
Design and recraft by cutting, punching, sewing, weaving, and other techniques



Source and collect tubes at bike shops or at material reuse locations



Remove valve stem and material damage



For more information please visit: www.rubberimpact.org/how-to