



PRODUCT DATA SHEET

• 1021 Bandana Boulevard East Suite 220 • Saint Paul, MN 55108 •

PRODUCT DESCRIPTION

Squids® Cold Shrink Traps™

Remove the inner core of Cold Shrink Traps™ to capture Squids® Elastic Tool Tails™ and create retrofit connection points for tethering.

Model Numbers: 3723, 3724, 3726



RECOMMENDED USES

- Use together with appropriate tool tail to create retrofit attachment on a tool lanyard for tool tethering. Examples: flashlights, hammers, screwdrivers, pliers, wrenches, rakes, canisters, etc.



PRODUCT CHARACTERISTICS

- **Product Construction/Dimensions:**
 - Diameter = varies by model
 - Length = varies by model
 - Thickness = varies by model
- **Standards:** As of the date of issue of this document no formal industry standards exist for Trap Tape for use in tool tethering. See testing detail below.
- **Maximum Safe Working Capacity:** 15lbs. (6.8 kg)
Capacity is dependent on model of Cold Shrink used, the diameter of the tool, type of tool tail and type of lanyard used. Refer to tool table in product instructions for details.
 - 3723: Max Capacity up to 5lbs. (2.3kg)
 - 3724: Max Capacity up to 10lbs. (4.5 kg)
 - 3726: Max Capacity up to 15lbs. (6.8 kg)
- **Safety Factor:** 2:1
- **Application:** Position over tool/tail and remove inner core. Consult product instructions for full applications instructions.
- **Shelf Life:** 5 years from date of manufacture

MATERIAL CHARACTERISTICS

- **Material:**
 - Shrink: EPDM Rubber (ethylene propylene diene methylene)
 - Core: Recyclable Polypropylene
- **Temperature Range:** -40°F to 150°F (-40°C to 65°C). Verified by drop testing in controlled environment.
- **Chemical Resistance**
 - Samples of rubber were immersed in solutions for 30 days at room temperature and the physical characteristics were measured:
 - 10% Sulfuric Acid (% retention)
 - Breaking Strength: 90%
 - Breaking Elongation: 95%
 - 10% Sodium Hydroxide (% retention)
 - Breaking Strength: 78%
 - Breaking Elongation: 104%
- **UV Resistance:** 3M samples were mounted 50cm from two UA-3 type GC Brand bulbs. The samples were examined after 70 hours. No cracks were observed.
- Additional material specifications on page 2.

ADDITIONAL INFORMATION

The below information includes raw material properties from the material manufacturer. This information may or may not be pertinent information for the Tool Trap application:

EPR

Common Names _____ EPR, EPT, EPDM
Trade Names _____ Resist-O (Norderl®) – Compound No. AX-60660
ASTM D-2000 Classification _____ CA
Military (MIL STD 417) _____ RS
Chemical Definition _____ Ethylene Propylene

GENERAL CHARACTERISTICS

Durometer Range (Shore A) _____ 30 – 90
Tensile Range (P.S.I.) _____ 500 – 2500
Elongation (Max.%) _____ 600
Compression Set _____ Good
Resilience - Rebound _____ Good
Abrasion Resistance _____ Good
Tear Resistance _____ Fair
Solvent Resistance _____ Poor
Oil Resistance _____ Poor
Low Temperature Usage (F°) _____ -20° to -60°
High Temperature Usage (F°) _____ to 350°
Aging Weather - Sunlight _____ Excellent
Adhesion to Metals _____ Fair to Good

COMMENT

Ethylene Propylene is a polymer with outstanding properties. It has exceptionally good weather aging and ozone resistance; excellent water and chemical resistance; excellent resistance to gas permeability, and excellent resistance to aging due to exposure to steam; and heat, resistance excellent up to 350°F. Ethylene Propylene is a polymer where oil and solvent resistance is poor, however, it is fairly good in ketones and alcohols. It is not recommended for food applications or exposure to aromatic hydrocarbons.

- When EPDM comes in direct contact with petroleum oil for a long period of time, it will absorb the oil, which will swell the rubber and it will lose a certain amount of strength. To avoid this make sure to clean the tool and trap combination on a regular basis. If unavoidable the Cold Shrink Trap can be wrapped with an additional layer of Squids® Tape Traps™ or other vinyl tape to protect it.

DISCLAIMERS

- Cold Shrink Traps™ meet or exceed Ergodyne®'s internal testing requirements and maximum capacity testing has been verified by a third party testing facility.
- Cold Shrink Traps™ are part of a full tethering system that requires other Ergodyne® solutions to be complete. Ergodyne® cannot guarantee performance when used with other manufacturer's tethering solutions.
- READ ALL WARNINGS, LABELS AND INSTRUCTIONS BEFORE USE. Your tethering system is only as strong as your weakest link. Always use proper personal protective equipment. In no event shall Tenacious Holdings, Inc. be liable for any direct, indirect, punitive, incidental, special, or consequential damages arising out of or associated with the misuse of Squids® Tool Lanyards and Tool Connectors.