

TADPOLES

# Tadpoles

Foundries, Steel Mills, and Aluminum Smelters



## Description

Tadpole are gaskets composed of a bulb, full or empty, and a tongue. Flexible, they can be used to seal or caulk empty spaces. The combinations of the bulbs and tongues are countless. The bulb, simple, central or double, can have an inner core of fiberglass, ceramic, stainless steel wire cable or inconel wire cable. Referring to the application and surrounding environment, we will cover the bulb with the most performing fabric (see Fabrics section for available textiles). We can use a cloth or a metallic mesh that can also be coated or treated with silicone, PTFE, neoprene or vermiculite.

The combinations are diverse, each with its own qualities : the following four factors need to be analyzed in order to choose the perfect tadpole, the temperature, the abrasion resistance and the shape.

## Applications

The tadpoles are a smart choice for many low pressure applications, for which they perform well. They are used in different manufacturing industries and metallurgical processing for :

- Insulating oven doors, furnaces and boilers
- Sealing between uneven surfaces
- Caulking empty spaces
- Preventing leakage
- Controlling dust in the environment.

## Specifications

### Technical Data

Tadpole construction coating Rubberized fiberglass cloth  
Bulb

Fiberglass cable

Tadpole construction coating Rubberized fiberglass cloth  
T°F

392°F

Tadpole construction coating Rubberized fiberglass cloth  
Abrasion

Good

Tadpole construction coating Rubberized fiberglass cloth Recovery resistance	Medium
Tadpole construction coating Rubberized fiberglass cloth Characteristics	Impermeable, steam resistant
Tadpole construction coating Silicone fiberglass cloth Bulb	Inconel wire mesh
Tadpole construction coating Silicone fiberglass cloth T°F	500°F
Tadpole construction coating Silicone fiberglass cloth Abrasion	Medium
Tadpole construction coating Silicone fiberglass cloth Recovery resistance	Good
Tadpole construction coating Silicone fiberglass cloth Characteristics	Airtight, fits on uneven surfaces
Tadpole construction coating Silicone fiberglass cloth Bulb	Hollow stainless steel cable
Tadpole construction coating Silicone fiberglass cloth T°F	500°F
Tadpole construction coating Silicone fiberglass cloth Abrasion	Medium
Tadpole construction coating Silicone fiberglass cloth Recovery resistance	Excellent
Tadpole construction coating Silicone fiberglass cloth Characteristics	Airtight, fits on uneven surfaces, good resistance to atmospheric conditions
Tadpole construction coating Teflon® treaed fiberglass cloth Bulb	Hollow stainless steel cable
Tadpole construction coating Teflon® treaed fiberglass cloth T°F	550°F
Tadpole construction coating Teflon® treaed fiberglass cloth Abrasion	Good
Tadpole construction coating Teflon® treaed fiberglass cloth Recovery resistance	Excellent
Tadpole construction coating Teflon® treated fiberglass cloth Characteristics	Resistant to steam, friction and chemicals
Tadpole construction coating Aramid cloth Bulb	Inconel wise mesh

Tadpole construction coating Aramid cloth T°F	650°F
Tadpole construction coating Aramid cloth Abrasion	Excellent
Tadpole construction coating Aramid cloth Recovery resistance	Good
Tadpole construction coating Aramid cloth Characteristics	Friction resistant
Tadpole construction coating Fiberglass cloth Bulb	Fiberglass cable
Tadpole construction coating Fiberglass cloth T°F	1000°F
Tadpole construction coating Fiberglass cloth Abrasion	Medium
Tadpole construction coating Fiberglass cloth Recovery resistance	Medium
Tadpole construction coating Fiberglass cloth Characteristics	Used in most applications, economical
Tadpole construction coating Graphited fiberglass cloth Bulb	Hollow stainless steel cable
Tadpole construction coating Graphited fiberglass cloth T°F	1000°F
Tadpole construction coating Graphited fiberglass cloth Abrasion	Good
Tadpole construction coating Graphited fiberglass cloth Recovery resistance	Excellent
Tadpole construction coating Graphited fiberglass cloth Characteristics	Prevents from sticking, fits on uneven surfaces
Tadpole construction coating Graphited fiberglass cloth Bulb	Fiberglass cable
Tadpole construction coating Graphited fiberglass cloth T°F	1000°F
Tadpole construction coating Graphited fiberglass cloth Abrasion	Good
Tadpole construction coating Graphited fiberglass cloth Recovery resistance	Poor
Tadpole construction coating Graphited fiberglass cloth Characteristics	Prevents from sticking, static applications

Tadpole construction coating Silica cloth Bulb	Ceramic cable
Tadpole construction coating Silica cloth T°F	2300°F
Tadpole construction coating Silica cloth Abrasion	Poor
Tadpole construction coating Silica cloth Recovery resistance	Poor
Tadpole construction coating Silica cloth Characteristics	Static applications
Tadpole construction coating Inconel wire mesh Bulb	Ceramic cable
Tadpole construction coating Inconel wire mesh T°F	2300°F
Tadpole construction coating Inconel wire mesh Abrasion	Good
Tadpole construction coating Inconel wire mesh Recovery resistance	Medium
Tadpole construction coating Inconel wire mesh Characteristics	Friction resistant
Tadpole construction coating Ceramic cloth Bulb	Ceramic cable
Tadpole construction coating Ceramic cloth T°F	2300°F
Tadpole construction coating Ceramic cloth Abrasion	Medium

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.