

**Temperature Limit**  
1500°F

**Description**

Manville Tadpole Tapes are resilient, non-absorbent gasketing tapes formed by wrapping heat-resistant cores with a variety of specially treated cover materials. The edges of the covers are stitched or cemented together, forming the characteristic "tail" structure.

Tadpole Tapes provide durable, effective sealing on light metal flanges or where limited bolting force is available, in applications where packing must conform to uneven or unequal mating surfaces, and where equipment types and designs do not permit the use of endless gaskets or flat gasketing. Because of their softness, resilience, and conformability, Tadpole packings are especially suited for applications where doors and other closures rest on the bulb of the packing.

Manville Tadpole Tapes are easily installed by riveting, bolting, or with metal straps, providing the effect of groove packing without the necessity of a groove. They also function as high-temperature "O" Rings, held in place by the fabric tail assembly. Unlike other gasketing materials that may harden

when exposed to heat, Tadpole Tapes maintain their efficiency through prolonged high-temperature service. Available in a variety of styles, materials, and constructions, and custom-formed economically from existing inventory materials, Manville Tadpole Tapes provide reliable, long-lasting packing and sealing capabilities in all recommended applications.

**Construction**

Style AF 160-21 Tadpole Tape consists of a core of knitted inconel mesh and soft refractory fiber wrapped in aluminum foil. The cover material consists entirely of fine, braided inconel wires. The tail assembly is stitched.

Style AF 160-21 Tadpole Tapes are furnished in the following Type Designation and constructions:

A



Conventional—  
Round Bulb with Radial Tail

B



Round—  
No Tail

C



Double Tail—  
Bulb Along Center Line, Tangential Tail

D



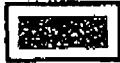
Rectangular Bulb—  
Single Tangential Tail

E



Rectangular Bulb—  
Along Center Line, Double Tangential Tail

F



Rectangular—  
No Tail

G



Round Bulb—  
Opposing Radial Tail

H



Rectangular Bulb—  
Opposing Radial Tail

Sizes

3/8" bulb diameter and up—10 feet maximum lengths

Temperatures

Constant— 1000 °F (maximum)  
Intermittent— 1500 °F (maximum)

Fire and Flame Resistance

Withstands 2000 °F Flame Test for 15 minutes

Service Conditions

General Service

Typical Test Data

Lbs./Linear In. to Compress 40% at Room Temperature 21.2

Recovery After 40% Compression at Room Temperature 87.9%

Hot Recovery After 40% Compression Temperature 1000 °F % 78.1

The physical (or chemical) properties of Manville Tadpole Tapes represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check the Manville district office to assure current information.