

# TUNDRA<sup>®</sup> FOAM

Black and Yellow

## OPEN CELL POLYURETHANE BACKER ROD FOR HOT AND COLD SEALANT APPLICATIONS

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### PRODUCT DESCRIPTION

**Basic Use:** Tundra Foam is an ideal non-gassing backup material which is inserted into construction and pavement joints to:

- Control sealant and caulking depth
- Create a backstop to allow proper sealant tooling and configuration
- Allow proper sealant airing and yield a proper bond breaker

It is ideal for non-uniform joint sizes.

**Specific Uses:** Commonly used in expansion and contraction joints, window glazing, curtain wall construction partitions, precast assemblies and copings, parking decks, bridge construction etc.

**Compatibility:** Tundra Foam is basically an inert material and therefore compatible both physically and chemically with virtually all known hot pour and cold applied sealants including silicone and rubber asphalt.

**Composition and Material:** Tundra Foam is a fabricated round, open cell polyurethane foam material. It is highly flexible and compressible for easy application. It is available in a wide variety of sizes each capable of fitting a number of differing joint sizes. (See Table I)

**Color:** Tundra Foam is available in both black and yellow. Black is a neutral rod color, and is ideal for window glazing applications.

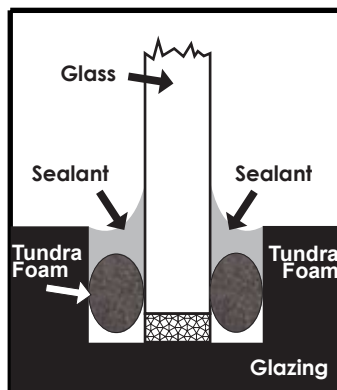
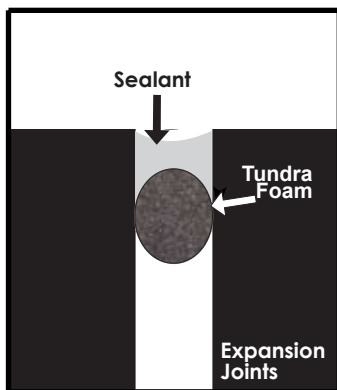
TABLE I						
STOCK SIZES AVAILABLE						
Diameter	Sleeves/ 6-pack	Bags/ sleeve	Ft./ Bag	Ft./ Sleeve	Metric Diameter	Meters/ Sleeve
* 3/8"	6	4	750	3000	9 mm	914
5/8"	6	4	500	2000	15 mm	609
7/8"	6	2	525	1050	22 mm	320
1 1/8"	6	2	300	600	28 mm	182
1 1/2"	6	2	175	350	38 mm	106
2"	6	2	100	200	50 mm	60

Product must be purchased in 6-pack quantities. To avoid compression "set", fiber must be removed. Store in sleeve form or bag form only.

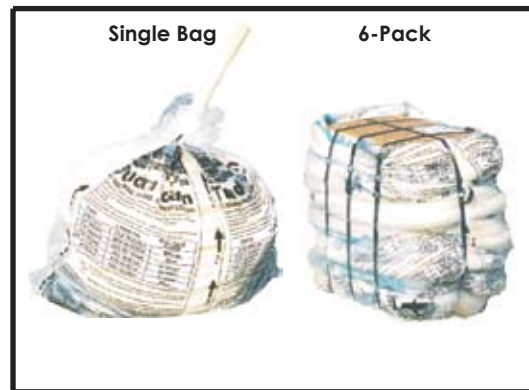
\*3/8" Available in black only

TABLE IA
<h3>SHIPPING INFORMATION</h3> <p>Each 6-pack measures approximately 24" x 24" x 18" and has a girth of 108". Some carriers have maximum girth restrictions. For example, the UPS girth maximum is 130".</p> <p>LTL shipments are generally from 5 to 200 6-packs.</p> <p>Typically, one skid will hold 8 6-packs. 6-pack weight is 50 lbs. (23 kgs.)</p>

### Common Applications of Tundra Foam



### Packaging



Once received, remove straps from 6-pack



## TECHNICAL DATA

**Tundra Foam** will resist oil, gasoline and most solvents. This material is odorless, will not stain and will not adversely adhere to sealant and caulking materials. (Refer to Table II for typical physical properties).

## INSTALLATION

The joint depth must be great enough to allow for the proper installation of the **Tundra Foam** and the hot or cold sealant or caulking material. Joint walls must be as smooth and even as possible and be free of any loose residues or foreign materials. Joints should also be dry and frost-free. With a convenient tool or by hand, insert **Tundra Foam** into joint at a level recommended by the sealant manufacturer. Cold applied sealants generally recommend that the depth of the joint after the backer rod is installed be one half the width. In hot pour applications, it is generally recommended the depth of the joint be a 1:1 ratio in terms of Backer Rod to sealant.

## PURCHASING AND PRICING

**Tundra Foam** is widely available throughout the United States and Canada. Please contact Industrial Thermo Polymers Ltd. for the name and address of your local distributor. This source will provide you with samples and pricing information as required.

## TECHNICAL ASSISTANCE

Industrial Thermo Polymers Ltd. has qualified representatives available to assist users of the various Backer Rod materials referenced herein. Please contact your local ITP distributor should assistance be required.

**TABLE II**

### PHYSICAL PROPERTY ANALYSIS

<u>PROPERTY</u>	<u>VALUE &amp; TEST METHOD</u>
Density:	1.7 lbs. per cubic foot
Tensile Strength:	25 lbs. minimum (ASTM D 3574-91)
Moisture Absorption:	0.021% by volume (ASTM C 509)
Out Gassing:	None
Temperature Service Range:	-60°F to 500°F
Auto Ignition:	700°F to 800°F
Elongation:	120% minimum (ASTM D 3574-91)
Air Flow:	90% (ASTM D 3574-91)
Compression Set:	5%

**TABLE III**

### TUNDRA ADVANTAGES

- One size fits many joint sizes
- Non-gassing, damage-proof
- Highly compatible with varying joint size
- Compressed for economical shipping
- Highly flexible and easy to install
- Premium quality polyurethane, uniform roundness and highest compression rating
- Prompt availability and delivery
- Can be shipped separately or combined with closed-cell requirements
- No better open cell foam available, anywhere

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### GUARANTEE / WARRANTY

Industrial Thermo Polymers Limited believes the information and recommendations herein to be accurate and reliable and the products are reasonably fit for the applications mentioned. However, as uses, conditions and application methods are not within our control, ITP does not guarantee nor warrant these products nor results from the use of these products or information given. It is therefore the responsibility of the buyer to determine the suitability of these products in applications intended and determine the appropriateness of the products. Sizes and Lengths per spool are those at times of packaging and may vary with climatic conditions after manufacture.