

## Gaskets and Packing



### DESCRIPTION

Easy-to-use polytetrafluoroethylene (PTFE) cord-like packing that molds itself to fill every void and forms positive pressure seals regardless of the configuration of the fitting, bonnet, gland, stuffing box or mating surface. **Tuff-Seal** has a lower coefficient of friction than graphite, making manual and motorized valve operation easy, smooth, and positive. Can be used on both ferrous and non-ferrous metals, plastic equipment, and many other materials. Non-absorbent. Unaffected by strong acids, oxygen, chlorine, alkalis, solvents, or other common corrosive agents. Withstands temperatures from -450°F to +500°F and pressures up to 10,000 psi. Never hardens or washes out; retains its lubricity indefinitely.

Non-toxic, it is excellent for water supply and food processing use. It is inert and will not contaminate contents of lines. Has few liquid or gas service limitations. Contains no foreign matter or ingredient which might flake off or break down, cause contamination or deterioration of seals.

### SIZES AND PACKING

STOCK NO.	SIZE	PACKING	WEIGHT/CASE
15-205**	3/32" X 24"	48 (4-1 dz.)	2.3 lbs.
15-210	3/32" X 100"	24	2.3 lbs.
15-225	5/32" X 180"	12	3.0 lbs.
15-230	7/32" X 180"	6	2.3 lbs.

\*\* Carded, Blister Pack



Specifications

Tuff-Seal®

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### APPROVALS AND LISTINGS

None

### SPECIFIC USES

Use **Tuff-Seal** for packing, gaskets, and washers. Seals valve stems and flanges.

### SPECIFIC APPLICATIONS\*

**Tuff-Seal** can be used for repairs and maintenance of equipment in the mechanical construction industry, marine, aeronautical, automotive, laboratory, and home applications.

### PHYSICAL PROPERTIES

Solubility:	Not soluble in water, solvents, acids, etc. Contact with fluorine gas, hot plasticizers or polymeric waxes not recommended.
Appearance and color:	White flexible cord. No odor.
Density:	1.5-2.0
Flammability:	Does not burn or support combustion but will release hazardous fumes when exposed to flames or high heat.

### WARNINGS OR CAUTIONS

- Read all cautions and directions carefully before using product.
- **Keep Out of Reach of Children.**
- Exposure to fumes from burning or heating over 500°F (260°C) may cause polymer fume fever. This presents flu-like symptoms which may include chills and fever.
- Do not incinerate. Dispose as harmless waste.
- Should not be used on high-speed shafts where the surface speed exceeds 150 sfpm.

### DIRECTIONS FOR USE

**Tuff-Seal** can be dispensed from its spool or directly from its container and can be formed into any shape or size. For greater thickness, it can be doubled or continuously wound to achieve the desired thickness.

**PACKING APPLICATIONS:** To pack and leak-proof valves and faucets, remove old packing and wrap a few turns of **Tuff-Seal** around stem. Screw down gland follower and bonnet nut.

**GASKET APPLICATIONS:** To seal flanged connections, cut off desired length of **Tuff-Seal** to encircle face of joint.

### MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THIS PRODUCT, REQUEST MATERIAL SAFETY DATA SHEET (MSDS) #10

For Delivery by Fax	Call 1-800-942-4636
Internet	See MSDS section of <a href="http://www.herchem.com">www.herchem.com</a>
Mail	Contact Hercules at address below or any Hercules representative

HMIS Hazard Warning 0-0-0-A.

**INGREDIENTS** **CAS#**

This product is not classified as hazardous in accordance with 29 CFR OSHA 1910.1200.

\* For special applications which may not be covered on this or other Hercules literature, please contact Hercules Technical Services Department by phone at 1-800-221-9330 or send a fax to 1-800-333-3456.

Overlap slightly, twist, and reassemble parts in usual manner. Form as many closed loops as desired (depending on the pressure demands). Additional protection is given by ensuring a seal around each lug or bolt. **Tuff-Seal** eliminates the need for pre-cut gaskets.

**NOTE:** **Tuff-Seal** is a compressible solid. High points formed where it overlaps or is twisted together do not affect seal. **Tuff-Seal** "flows" to fill in all voids and seals perfectly.



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