

**PRODUCT NAME:** PTFE Tape ABRO® Masters

**PRODUCT NUMBER/SIZE:**

PTFE-12-007-10-RE,  
PTFE-19-007-10-RE,

PTFE-12-010-15-RE,  
PTFE-19-010-15-RE,

PTFE-19-020-10-RE

## SECTION 1

### Identification of the Substance and of the Company/Undertaking

**MANUFACTURER'S NAME:**

**ABRO INDUSTRIES, INC.**

**ADDRESS:**

**3580 Blackthorn Court**

**South Bend, IN 46628**

**USA**

**PRODUCT DESCRIPTION:**

**PTFE Thread Seal Tape**

**COMPANY PHONE:**

**574-232-8289**

**EMERGENCY 24-HR TELEPHONE:**

**Chemtrec: US/Canada 1-800-424-9300**

**International +1-703-527-3887**

## SECTION 2

### Composition/information on ingredients

A Standard grade Thread Seal Tape, manufactured from 100% pure, virgin PTFE and containing less than 0.1% wt residual lubricant.

Polytetrafluoroethylene (PTFE) is used to make tapes and extruded sections for pipe thread and flange sealing applications.

## SECTION 3

### Hazards identification/adverse human health effects

**Inhalation:**

The health risk from PTFE relates to the possible inhalation of decomposition products. At temperatures in excess of 260 C the polymer will progressively decompose and give rise to a number of harmful gases. The possible contamination of tobacco by PTFE should be avoided as this is a possible cause of a condition known as fume fever.

**Skin Contact:**

No skin problems should arise from the handling of the PTFE containing products referred to above but good occupational hygiene practices should be observed when such materials are being handled.

**Eye Irritation:**

Irrigate eyes with water if affected by fumes. Obtain medical advice if irritation persists.

**Ingestion:**

Not applicable

## SECTION 4

### First aid measures

In the unlikely event of exposure to PTFE decomposition products, remove affected persons from source, If symptoms of polymer fume fever or other respiratory problems occur, seek medical attention.

## SECTION 5

### Fire & explosion hazard data

PTFE is basically non flammable. (It has a Limiting Oxygen Index of 95). If a flame is applied to the surface of PTFE it will ignite because of the formation of gaseous decomposition products but combustion ceases when the flame source is removed. In fire situations involving PTFE products, approved forms of breathing apparatus must be worn.

## SECTION 6

### Accidental release measures/spills and leaks

Not applicable to this product.

## SECTION 7

### Handling & storage

**Handling Precautions:** The handling and fitting of this product does not warrant special precautions but good personal hygiene practices should be observed. Exposure to decomposition products from PTFE must be avoided (It is unlikely that such exposure will result from intended product applications). Do not smoke and avoid contamination of tobacco by PTFE.

**Storage Precautions** No special safety precautions are necessary.

## SECTION 8

### Exposure control/personal protection

**Occupational Exposure** Although it is recognized that PTFE decomposition products Limits: decompose in part by hydrolysis in alkaline solution, it is stated that the air concentration should be minimal.

## SECTION 9

### Physical & chemical properties

**Color:** White  
**Recommended Temperature:** -40 C to +260 C  
**Storage temperature Range:** 0 C to +19 C  
**Nominal Thickness:** 0.075 mm/ 0.1 mm/ 0.2 mm  
**Density:** 0.35-1.5G/CM<sup>3</sup>  
**Residual lubricant content:** Less than 0.1 % wt

## SECTION 10

### Stability & reactivity

Not applicable to this product.

## SECTION 11

### Toxicological information

PTFE has not been classified by the International Agency for Research on Cancer and does not appear in the list of substances cited in the US Fourth Annual Report on Carcinogens (Summary 1985) under

the headings "Substances known to be carcinogenic" or "Substances that may reasonably be anticipated to be carcinogenic".

## **SECTION 12**

### **Ecological information**

Not applicable to this product.

## **SECTION 13**

### **Disposal considerations**

Disposal of waste should be by burial on a controlled industrial landfill site. PTFE products should not be incinerated.

## **SECTION 14**

### **Transport/label information**

Not classified

## **SECTION 15**

### **Regulatory information**

Not applicable to this product

## **SECTION 16**

### **Other information**

Thread Seal Tape is resistant to attack from a range of chemical media including strong acids, alkalis and organic solvents. It is suitable for use on threaded connections of any material up to 15mm nominal bore. Thread Seal Tape has been specially formulated to seal both gaseous and liquid media. It is recommended for sealing against compressed air, nitrogen, oxygen, saturated steam and potable water. Thread Seal Tape satisfies the requirements of BS7786 Grade L and complies with BS4375 (29bar/1/4" BSP single wrap).