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## **Product Standard**

**for**

## **Vinyl Drain Tubing 4216**

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## 1.0 SCOPE

This standard covers a thermoplastic tube for use in beverage drain applications. It has an operating temperature range of -10°F to + 150°F (23°C to 66°C).

## 2.0 CONSTRUCTION

This product consists of a single wall extrusion of 100% Polyvinyl Chloride. It is smooth and seamless. The core I.D. is free from obstructions and/or foreign materials. The standard color of the product is gray.

## 3.0 PRODUCT IDENTIFICATION

The product is identified by marking that appears longitudinally on the outside of the product. The standard ink color is white. The text of the standard marking is shown in the following example. Private marking of the product is available upon special request.


SYNFLEX® 4216-xx n/n" I.D. W.P. 50 PSI MADE IN USA EATON

- Note:
- 1) In addition to the marking text, the product is lot numbered for manufacturing traceability.
  - 2) The "xx" designates ID size
  - 3) The "n/n" designates the ID size by fractional means.

## 4.0 DIMENSIONS AND PRESSURES

**Table 1**

Product P/N	I.D. Inches	O.D. Inches	Wall Thickness Ref.	Min Burst Pressure @ 73 Deg. F	Approx. WT/LBS. Per 100 Ft.
4216-10	.375	.625	.125	200 PSI	10.50
4216-12	.500	.750	.125	200 PSI	13.10
4216-14	.625	.875	.125	200 PSI	15.70
4216-16	.750	1.000	.125	320 PSI	18.32
4216-18	.875	1.125	.125	200 PSI	21.00
4216-20	1.000	1.250	.125	200 PSI	23.55

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## 5.0 QUALIFICATION TESTS

To meet the qualification requirements for this tubing standard, the tube that was made using this standard shall conform to the following tests and requirements.

### 5.1 **Dimensional Test and Visual Examination:**

All tubing shall conform to the dimensions detailed in Table 1 of this standard. All tubing shall be visually examined and found free of any defects.

### 5.2 **Burst Test:**

This test shall be conducted in accordance to the latest issue of SAE J343.

### 5.3 **Hot Water Collapse Test:**

This test shall be conducted in accordance to the latest issue of TP-294.

## 6.0 INSPECTION TESTS

The following tests are to be performed on samples representing each product lot of tube. A production lot is defined as one shifts' production (8-12 hrs). Requirements shall be the same as the corresponding qualification tests:

1. Dimensional Test and Visual Examination per SAE J343
2. Burst Test per ASTM D1599 or SAE J343.

## 7.0 ADDITIONAL INFORMATION

## 8.0 TUBE ASSEMBLY INFORMATION

Eaton does NOT supply or manufacture couplings for use with 4216 tubing.