



4200

02

Document Number

Revision

Title: **PRODUCT STANDARD**

Page 1 of 3

Product Standard
for
4200 Beverage Tube



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Document Number

Revision

Title: PRODUCT STANDARD

Page 2 of 3

1.0 SCOPE

This standard covers a NSF listed, thermoplastic tube for use in beverage, drain, water, liquid food, 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% Virgin 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 Clear-Transparent.

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, however, private marking of the product is available upon special request.

SYNFLEX® 4200-XXXX PVC TUBING NSF-51 MAX TEMP 73°F EATON

*In addition to the marking text, the product is also numbered for manufacturing traceability.

4.0 DIMENSIONS AND PRESSURES

Table 1

PROD. P/N 4200-	I.D. INCHES	O.D. INCHES	WALL THICKNESS	MIN BURST PRESSURE @ 73 DEG F	APPROX. WT/LBS. PER 100 FT
0010	.130 +/- .005	.281	.075 +/- .005	200 PSI	2.53
0020	.187 +/- .008	.437	.125 +/- .008	200 PSI	6.37
0030	.203 +/- .005	.312	.055 +/- .008	200 PSI	2.30
0040	.250 +/- .008	.500	.125 +/- .008	200 PSI	7.66
0050	.300 +/- .008	.437	.068 +/- .008	200 PSI	4.12
0060	.312 +/- .008	.437	.062 +/- .008	200 PSI	3.82
0070	.312 +/- .008	.562	.125 +/- .008	200 PSI	8.92
0080	.375 +/- .008	.625	.125 +/- .008	200 PSI	10.21
0090	.500 +/- .008	.750	.125 +/- .008	200 PSI	12.76



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Title: **PRODUCT STANDARD**

Page 3 of 3

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.

6.0 INSPECTION TESTS

The following tests are to be performed on samples representing each production lot of hose. 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 4200 tubing.