



Performance Plastics - Mantua Plant

10585 Main Street
Mantua, Ohio 44255

Title: **PRODUCT STANDARD**
4233 Weed Spray Tubing

Product: **4233**
Revision: 03/04/03
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PRODUCT STANDARD
4233
TUBING



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Changes:(6/20/95)(C98-5452;5/28/98)(N03-8581X;3/4/03)



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1.0 SCOPE:

This standard covers a thermoplastic tube for use in conveying common weed spray products. It may also be used for paints and solvents at pressures up to 200 PSIG. It has an operating temperature range of -20°F to + 150°F (-29°C to +66°C).


2.0 CONSTRUCTION:

This product consists of a three layer extrusion of a Nylon 11 inner liner, a Polyurethane middle layer, and a Nylon 11 jacket. It is smooth and seamless. The tube I.D. is free from obstructions and/or foreign materials. The standard color of the product is natural and it is translucent.

3.0 PRODUCT IDENTIFICATION:

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

SYNFLEX® 4233-0875 WEED SPRAY HOSE 1/2" ID 40 PSI W.P. SAINT-GOBAIN

SYNFLEX® 4233 PAINT SPRAY HOSE 1/4" ID WP 200 PSI (13.8 BAR) @ 70°F (21°C) 

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

3. DIMENSIONS AND PRESSURES:

Table 1

PRODUCT P/N	I.D. (In.)	O.D. (In.)	WALL THICKNESS	MIN BURST PRESSURE @ 73° F	APPROX. WT/LBS. PER 100'
4233-04	.250	.350	.050	800 PSI	3.17
4233-05	.320	.420	.050	800 PSI	4.05
4233-06	.375	.500	.062	800 PSI	4.75
4233-07	.438	.574	.068	800 PSI	5.25
4233-08	.510	.650	.075	200 PSI	6.46



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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 the Saint-Gobain Test Procedure TP-101.

6.0 INSPECTION TESTS:

The following tests are to be performed on samples representing each production 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 Inspection
2. Burst Test



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WARNING
SAFETY PRECAUTIONS FOR
SYNFLEX HOSE ASSEMBLIES

**YOUR PERSONAL SAFETY MAY DIRECTLY OR INDIRECTLY BE
AFFECTED IF THE HOSE ASSEMBLY HAS BEEN ABUSED.**

The following **WARNINGS** pertain to the more common abuses of this hose and hose assemblies.

1. **INSPECT** and **REPLACE** the hose assembly immediately if:
 - A. You have reason to believe it may be abnormal.
 - B. There is any fluid leakage.
 - C. The couplings are damaged.
 - D. The hose is damaged.
2. **DO NOT EXCEED** the maximum recommended working pressure of the hose.
3. **DO NOT KINK** the hose assembly.
4. **DO NOT BEND** the hose assembly beyond it's minimum recommended bend radius.
5. **DO NOT EXPOSE** to temperatures in excess of the maximum temperature rating of the hose or the fluid being conveyed.
6. **DO NOT USE AS A STRENGTH MEMBER** for pulling or lifting equipment.
7. **DO NOT EXPOSE HOSE TO FLUIDS** other than those outlined in the Eaton PPL Chemical Resistance Chart or specifically approved by Eaton PPL Engineering.



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