



Performance Plastics - Mantua Plant

10585 Main Street
Mantua, Ohio 44255

Title: **PRODUCT STANDARD**
4262 Automotive Exhaust Gas Hose

Product: **4262**
Revision: 6/20/05
Page No.: 1 of 3

PRODUCT STANDARD
4262
AUTOMOTIVE EXHAUST
GAS HOSE



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Revision: 6/20/05
Page No.: 2 of 3

1.0 SCOPE:

This standard covers Synflex 4262 Automotive Exhaust Gas Hose. The product was designed for use in portions of the automotive exhaust gas analyzer. The maximum operating pressure (gas) is 50 PSI. The maximum working temperature of 230° F (110°C). The product was designed to use commercially available tube fittings with an internal tube support.

2.0 CONSTRUCTION:

The hose is seamless, co-extruded with special flexible polymer outer skin and a nylon inner liner.

3.0 PRODUCT IDENTIFICATION:

The product is identified by marking that appears longitudinally on the hose.

Typical Example:

"SYNFLEX® 4262-401 EATON " "

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

The color of the marking will be white or black depending upon which best contrasts with the hose color of the tube.

4.0 DIMENSIONS:

Table 1

Hose Dash Size	Hose Dimensions			Min. Bend Radius	Weight 100 Ft. (LBS)
	I.D. ±.010	O.D.	Wall Thickness		
-301	.187	.357/.377	.090	.75	.33
-401	.260	.415/.445	.085	.75	4.6
-402	.250	.430/.460	.098	.75	5.0
-503	.312	.497/.527	.100	.87	6.1



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Revision: 6/20/05
Page No.: 3 of 3

5.0 QUALIFICATION TESTS:

To meet the qualification requirements for this hose standard, the hose and/or hose assemblies made using this product shall conform to the following tests and requirements.

5.1 Dimensional Test and Visual Examination:

All hose shall conform to the dimensions detailed in Table 1 of this standard and all hose shall be visually examined for obvious manufacturing defects.

5.2 **"CALIFORNIA BUREAU OF AUTOMOTIVE REPAIRS EXHAUST GAS ANALYZER SPECIFICATION, 1979"**

The hose meets or exceeds the bend, flex and crush requirements of the "California Bureau of Automotive Repairs Exhaust Gas Analyzer Specification", 1979, as summarized below:

5.2.1 The California Specification requires a three inch maximum bend radius.

5.2.2 The California Specification requires that the hose lie in a 24" diameter circle, unrestrained, on a flat floor at 60°F. The Synflex product easily meets this requirement.

5.2.3 The California Specification requires that the hose withstand the crushing action of a car being driven over the hose on a concrete surface. The Synflex product meets this requirement with no visible damage.