

MULTI-PURPOSE HOSE

1. SCOPE

1.1 The material defined by this specification for New Holland shall be a multi-purpose hose material. Silicone Free.

1.2 This specification may involve hazardous materials, apparatus, and procedures. This specification does not address the health and safety problems, if any, associated with its use or application. It is the specification user's responsibility to follow appropriate safety or health practices, and determine the applicability of regulatory limitations prior to use.

2. APPLICATIONS

This specification was originally released for hoses that are recommended for use in air, water, oils (petroleum-base, hot lubricating), antifreeze solutions and diesel fuel applications.

3. REQUIREMENTS

3.1 TEMPERATURE

Normal service temperature is -40°F to +212°F (-40°C to +100°C). Air temperatures should be between -40°F to +160°F (-40°C to +71°C). Temperatures exceeding 160°F hose clamps will be required.

3.2 CONSTRUCTION

The tube should be Nitrile. The reinforcement should be aramid tensile cord or one fiber braid. The cover should be oil and abrasion resistant Nitrile or neoprene.

3.3 COUPLINGS

Couplings should be lock-on type.

3.4 BRANDING

Should be continuous ink brand. It should have the supplier trade mark, the diameter and the psi capability.

3.5 ELECTRICAL

The hose should be nonconductive at 1000 volts D.C. Also must be able to meet the electrical resistance of 1 megaohm per inch when subjected to 1000 volts D.C.

3.6 SHELF-LIFE

The shelf life for this hose is 4 years.

3.7 SPECIFICATIONS

The vacuum should be 28 in. Hg for sizes (inches) 0.41, 0.47, 0.53, 0.61, 0.75 and 0.91 and 15 in. Hg for size (inches) 1.04. The rated working pressure should be 300 psi for sizes (inches) 0.41 - 1.04. The minimum burst pressure should be 1200 psi for sizes (inches) 0.41 - 1.04. The minimum bend radius should be 3 inches for sizes (inches) 0.41, 0.47, 0.53 and 0.61; 5 inches for size (inches) 0.75; 6 inches for size (inches) 0.91; 7 inches for size (inches) 1.04.

					NAME	STD HOSE			
					 NEW HOLLAND		ENGINEERING SPECIFICATION		
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APP.	DRAWN		JDF	6/24/97	Documents				
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4. SUPPLIER RESPONSIBILITY

4.1 Suppliers shall perform the necessary tests for sample approval for initial lots. After this approval, suppliers are not required to perform the specific tests, but to ascertain that their product will conform to the specification limits. These specified requirements will be used to reconcile any disputed values.

4.2 All materials supplied to this specification shall be equivalent in all characteristics to the material upon which approval was originally granted. Prior to the making of any changes in the properties, composition, construction, color, dimension, processing or labeling of the material originally approved under this specification, the supplier shall notify Purchasing and the affected Materials Engineering activity of the proposed changes and obtain the written acknowledgment of the Material Engineering activity. Test data, test samples and a new identification code are to be submitted with the request.

5. APPROVAL OF MATERIALS

Materials defined by this specification must have prior approval by the responsible Materials Engineering Activity. Suppliers desiring approval of their materials shall first obtain an expression of interest from the effected Purchasing, Design or Materials Engineering Activity. Upon request, the Supplier shall submit to the affected Materials Engineering Activity its own Laboratory report to the specification (test results, not nominal values), the material designation and code number, and test specimens for Ford New Holland evaluation. Upon approval, the material will be added to the Engineering Materials Approved Source List.

TABLE 1

SIZE	PART NUMBER	DESCRIPTION	COLOR
0.5 inches	86553252	Hose .50 per 86553254	Blue
0.62 inches	86553253	Hose .62 per 86553254	Blue

TABLE 2**ENGINEERING MATERIALS APPROVED SOURCE LIST**

SUPPLIER	SUPPLIER CODE	PRODUCT #
Gates Industrial Hose - PYTHON - 0.5"	300915	3222-0120
Gates Industrial Hose - PYTHON - 0.62"	300934	3222-0125

	NAME			PART NUMBER		
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