AEROSPACE
MATERIAL SPECIFICATIONS
SOCIETY OF AUTOMOTIVE ENGINEERS, Inc. 485 Lexington Ave., New York 17, N.Y.

AMS 3386B

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HOSE, SYNTHETIC RUBBER, AIRCRAFT FUELING
Textile Reinforced, Collapsing

1. ACKNOWLEDGMENT: A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.

2. TYPE: Soft wall, smooth bore, collapsing type hose.

3. APPLICATION: Primarily for fueling aircraft from tank trucks or pits where the hose will be rolled flat for stowage on a reel. Not recommended for operating pressures higher than 75 psi.

4. MATERIAL AND FABRICATION:

4.1 Hose: Shall consist of a synthetic rubber inner tube; braided, spiralled, loomed, or plied textile reinforcement; and a synthetic rubber cover.

4.1.1 Tube: Shall be a seamless, continuous extrusion of fuel resistant synthetic rubber. Thickness of the tube shall be not less than 0.070 inch. The bore shall be smooth and free from pitting and from objectionable cuttings, borings, and cements.

4.1.2 Reinforcement: Shall be well, evenly, and firmly braided, spiralled, loomed, or plied and shall be free from dirt, lumps, and irregularities of twist.

4.1.3 Cover: Shall be synthetic rubber of chloroprene type, or other types or blends having equivalent resistance to weathering and petroleum products, and shall be free from pitting. Thickness shall be not less than 0.070 inch.

5. TECHNICAL REQUIREMENTS:

5.1 General:

5.1.1 Weathering: When specified, the product shall have weather resistance acceptable to the purchaser as determined by a procedure agreed upon by purchaser and vendor.

5.1.2 Corrosion: The product shall not have a corrosive effect on other materials when exposed to conditions normally encountered in service. Discoloration of metal shall not be considered objectionable.

5.2 Properties: The product shall conform to the following requirements; tests shall be performed on the product supplied and in accordance with the issue of ASTM D380 listed in the latest issue of AMS 2350, insofar as practicable.