

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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AMS 3385

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Revised

MARKERS, IGNITION - CABLE
Non-metallic

CANCELLED

1. **ACKNOWLEDGMENT:** A vendor must mention this specification number in all quotations and when acknowledging purchase orders.
2. **CONSTRUCTION:** The markers shall consist of tubing closely braided from commercially white cotton, or other suitable material, and coated on the inside and outside with a flexible insulating varnish or lacquer to produce a smooth, uniform finish.
3. **SIZE:** The markers shall have a maximum length of one-half inch and one of the diameters given below, as ordered, unless otherwise specified.

<u>Nominal Size</u>	<u>Actual Inside Diameter, inch</u>
5 mm	.213 - .223
7 mm	.290 - .300
9 mm	.363 - .373

4. **MARKINGS:** Numerals, or letters, as specified shall not be less than 3/16 inch high. They shall be applied, and protected by a final coat of varnish or lacquer, in such a manner that they will be distinct and legible.
5. **TESTS:** Samples selected at random from each shipment shall pass any and all of the following tests without becoming tacky, swelling, cracking of the tubing or the outside finish, separation of the varnish or lacquer from the tubing, or any undue loss in the legibility of the markings:

(a) **Heat Test:** The samples shall be placed on a length of suitable ignition cable and baked in an oven at 126°C (258.8°F) for 24 hours, and then allowed to cool at room temperature for one hour.

(b) **Flattening Test:** After completion of the heat test, the samples shall be removed from the ignition cable and flattened sidewise to an overall thickness not more than three times the wall thickness, and then allowed to return to the original shape.

(c) **Salt Water Test:** The samples used in the preceding tests shall be replaced on the ignition cable and submerged in a saturated solution of salt water at 20-25°C (68-77°F) for 24 hours.

(d) **Gasoline and Oil Test:** After completion of the salt water test, the samples shall be submerged for 24 hours in a blend of one part aviation grade gasoline and three parts paraffin base lubricating oil (viscosity 120 at 210°F) at 20-25°C (68-77°F).

(e) **Reheating:** After completion of the gasoline and oil test, the samples shall again be baked in an oven at 126°C (258.8°F) for 24 hours, and then allowed to cool at room temperature for one hour.

(f) **Kerosene and Oil Test:** After the reheating, the samples shall be submerged for 24 hours in a blend of equal parts of kerosene and paraffin base lubricating oil.

Documents

(viscosity 120 at 210°F) at 20-25°C (67-77°F).

6. APPROVAL: A manufacturer shall not begin to supply parts to this specification until samples have been approved by the purchaser and after approval the construction and method of manufacture shall not be changed without his permission. Results of tests on incoming shipments shall be as good or better than those on the approved samples.
7. REJECTIONS: Material not conforming to this specification, or modifications specified on the drawing or the purchase order, is subject to rejection. If samples for verification are desired by the vendor, they must be claimed within three weeks. Rejected material or parts will be held a reasonable time, at the vendor's risk, awaiting shipping instructions for the return of same for credit or replacement, as specified. Vendor shall pay all transportation charges.

NOTE: SIMILAR SPECIFICATION: AN-9513 is listed for information only and shall not be construed as acceptable alternate unless all requirements of this AMS are met.