

Note 2. Dielectric strength shall be determined in accordance with ASTM D149-55T, short time test, on a 0.040 in. + 0.001 thick specimen, using 0.0625 in. diameter electrodes with broken edges. Test shall be conducted in an oil bath. If flashover is a problem on small diameter rods, use a specimen prepared by drilling holes from opposite ends of a longer piece leaving a web 0.040 in. + 0.001 thick in the middle of the specimen. Electrodes shall be the same as used for the wafer specimen and shall be inserted in the holes in the specimen.

- 5.3 Voids: The product shall be free of all macroscopic voids, cracks, and foreign inclusions as revealed by radiographic inspection or the location of such defects shall be clearly marked on the product.
- 6. QUALITY: The product shall be uniform in quality and condition, clean, smooth, and free from foreign materials and from imperfections detrimental to fabrication, appearance, or performance of parts.
- 7. TOLERANCES: Unless otherwise specified, the following tolerances apply at 75 - 85 F:

7.1 Rod:

Nominal Diameter Inches	Tolerance, Inch Plus Only
0.250 and under	0.008
Over 0.250 to 0.500, incl	0.016
Over 0.500 to 0.750 incl	0.020
Over 0.750 to 1.000 incl	0.024
Over 1.000 to 1.250 incl	0.030
Over 1.250 to 1.500 incl	0.038
Over 1.500 to 1.750 incl	0.046
Over 1.750 to 2.000 incl	0.052
Over 2.000 to 2.250 incl	0.068
Over 2.250 to 2.500 incl	0.076

7.2 Tubing:

Nominal OD or ID Inches	ID Tolerance, Inch Minus Only	OD Tolerance, Inch Plus Only
Over 0.187 to 2, incl	0.062	0.062

8. REPORTS:

8.1 Unless otherwise specified, the vendor of the product shall furnish with each shipment three copies of a report stating that the product conforms to the requirements of this specification. This report shall include the purchase order number, material specification number, vendor's compound number, form or part number, and quantity.