



Designation: D 6096 – 9702

Standard Specification for Poly(Vinyl Chloride) Insulation for Wire and Cable, 90°C Operation¹

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1. Scope

1.1 This specification covers a thermoplastic insulation of poly (vinyl chloride) or the copolymer of vinyl chloride and vinyl acetate. This insulation is recommended for use at conductor temperatures not in excess of 90°C.

1.2 Depending on the thickness of the insulation, the maximum voltage used, and whether the location is wet or dry, this insulation may be used for 300 V (dry) and 600 V (wet or dry) power and control circuits.

1.3 This insulation may have low-temperature installation limitations. Consult the manufacturer for specific recommendations for installation.

1.4 ~~Whenever two sets of values are presented, in inch-pound units different units, the values in the first set are the standard, except while those in cases where SI units are more appropriate. The values in parentheses are for information only.~~

~~1.5 This specification covers an insulating material. In some tests,~~

~~1.5 In many instances the insulation material cannot be tested unless it is necessary to produce an insulated has been formed around a conductor or cable. Therefore, tests are done on insulated wire or cable in order this specification solely to test determine the insulation properties. However, in these instances, only the properties relevant property of the insulation are being tested, material and not to test the conductor or completed conductor. cable.~~

2. Referenced Documents

2.1 *ASTM Standards:*

D 1711 Terminology Relating to Electrical Insulation²

¹ This specification is under the jurisdiction of ASTM Committee D-9 D09 on Electrical and Electronic Insulating Materials and is the direct responsibility of Subcommittee D09.18 on Solid Insulations, Nonmetallic Shieldings and Coverings for Electrical and Telecommunication Wires and Cables.

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