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Standard Specification for Thermoplastic Polyethylene Jacket for Electrical Wire and Cable¹

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1. Scope

1.1 This specification covers a thermoplastic jacketing compound for 2 to 35 kV wire and cable, of at least 0.030 in. (0.76 mm) nominal thickness, consisting substantially of pigmented polyethylene.

1.2 In many instances the jacket material cannot be tested unless it has been formed around a conductor or cable. Therefore, tests are done on jacketed wire and cable in this document solely to determine the relevant property of the jacket material and not to test the jacketed conductor or completed cable.

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

2. Referenced Documents

2.1 ASTM Standards:

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, Non-Metallic Shieldings and Coverings for Electrical and Telecommunication Wires and Cables.

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