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*Guidelines for Solvent-Cementing Joints for  
PVC Rigid Nonmetallic Conduit, Duct, and Fittings*

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## Foreword

The purpose of these guidelines is to describe the procedures and recommended practices for solvent-cementing joints in PVC conduit, duct, and fittings.

This guideline is in no way intended to assume or replace any responsibilities of engineers, customer representatives, owners, or other persons in establishing engineering design practices and procedures best suited to individual job conditions.

User needs have been considered during the development of this standard.

The NEMA Polymer Raceway Products Section through its Members works closely with the American Society for Testing and Materials, appropriate government agencies, and other organizations in the periodic review and revision of its Standards for any changes necessary to keep them up to date with evolving technology. Proposed or recommended revisions should be submitted to:

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## **Guidelines For Solvent-Cementing Joints For PVC Rigid Nonmetallic Conduit, Duct, And Fittings**

Most forms of polyvinyl chloride (PVC) conduit, duct, and fittings are meant to be assembled or joined using solvent-cementing of the integral bells or PVC couplings. Solvent types of cement contain chemicals that dissolve the surface of the PVC, softening it. As the chemicals evaporate, they leave a PVC resin behind that fuses the mating surfaces.