

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

**IAPMO GUIDE CRITERIA
FOR**

**CHLORINATED POLY (VINYL CHLORIDE) – ALUMINUM –
CHLORINATED POLY (VINYL CHLORIDE)
(CPVC-AL-CPVC) TUBING and FITTINGS**

IAPMO IGC 243-2007

1. PURPOSE

- 1.1** This standard establishes general requirements for chlorinated poly (vinyl chloride) - aluminum - chlorinated poly (vinyl chloride) composite tubing and fittings, herein designated as "CPVC-AL-CPVC". Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding materials and manufacture; and to provide for identifying CPVC-AL-CPVC tubing and fittings.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material or method of construction, provided any such alternate meets the intent and requirements of this standard.

2. SCOPE

- 2.1** This standard establishes requirements for CPVC-AL-CPVC tubing and fittings made for water service up to and including 180°F (82.2°C). These components comprise pipe and tubing, chlorinated poly (vinyl chloride)-aluminum-chlorinated poly (vinyl chloride) composite tubing, socket type fittings, street fittings, plastic-to-metal transition fittings, internal fittings for CPVC-AL-CPVC composite tubing, solvent cements and adhesives.
- 2.2** The tubing and fittings produced under this standard are intended for use in hot-and-cold water distribution systems.

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of the standards.

ASTM D 1598	Time-to-Failure of Plastic Pipe Under Constant Internal Pressure
ASTM D 1784	Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
ASTM D 1898	Application of Basic Statistical Methods to Weathering Tests

Copyright © 2007 by International Association of Plumbing and Mechanical Officials. All rights reserved. Printed in the United States of America. No part of this publication may be reproduced, stored in an electronic retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher.