

## Schedule 40 and Schedule 80 PVC Conduit Product Specifications

### Schedule 40 PVC Conduit

#### 1.0 Product:

PVC Schedule 40 Conduit for application underground, encased or exposed applications in accordance with the National Electrical Code (Article 352).

#### 2.0 Product Requirements:

Conduit shall be Prime Conduit schedule 40, rated for use with 90° C conductors, ETL Listed to UL 651 or approved equal. Material shall comply to NEMA Specification TC-2 (Conduit), TC-3 (Fittings) and UL 651 (Conduit) and 514b (Fittings).

2.1 Conduit and fittings shall carry a ETL label or printline (Conduit - on each 10 foot length; Fittings - stamped or molded on each fitting).

2.2 Conduit and fittings shall be identified for type and manufacturer and shall be traceable to location of plant and date manufactured. The markings shall be legible and permanent.

2.3 The Conduit shall be made from polyvinyl chloride compound (recognized by ETL) which includes inert modifiers to improve weatherability and heat distortion. Clean rework material, generated by the manufacturer's own conduit production, may be used by the same manufacturer, provided the end products meet the requirements of this specification.

2.4 The conduit and fittings shall be homogeneous plastic material free from visible cracks, holes or foreign inclusions. The conduit bore shall be smooth and free of blisters, nicks or other imperfections which could mar conductors or cables.

2.5 Conduit is generally gray in color, unless otherwise agreed upon by both parties and/or any regulatory or inspection agency involved in specific projects.

#### 3.0 Testing and Acceptance Criteria:

Conduit and fittings shall be tested in accordance with the testing requirements defined in NEMA TC-2, NEMA TC-3 and UL-651 and 514. The acceptance criteria shall be given in the same standards.

3.1 All conduit and fittings shall be solvent cemented in applications in accordance with instructions from the manufacturer.

## Schedule 40 and Schedule 80 PVC Conduit Product Specifications

### Schedule 80 PVC Conduit

#### 4.0 Product:

PVC Schedule 80 Conduit for application in underground, encased or exposed applications in accordance with the National Electrical Code (Article 352).

#### 5.0 Product Requirements:

Conduit shall be Prime Conduit schedule 80, rated for use with 90° C conductors, ETL Listed to UL 651 or approved equal. Material shall comply to NEMA Specification TC-2 (Conduit), TC-3 (Fittings) and UL 651 (Conduit) and 514b (Fittings).

5.1 The conduit and fittings shall carry an ETL label (Conduit - on each 10 foot length; Fittings - stamped or molded on each fitting).

5.2 Conduit and fittings shall be identified for type and manufacturer and shall be traceable to location of plant and date manufactured. The markings shall be legible and permanent.

5.3 The conduit shall be made from polyvinyl chloride compound (recognized by ETL) which includes inert modifiers to improve weatherability and heat distortion. Clean rework material, generated by the manufacturer's own conduit production, may be used by the same manufacturer, provided end products meet the requirements of this specification.

5.4 The conduit and fittings shall be homogeneous plastic free from visible cracks, holes or foreign inclusions. The conduit bore shall be smooth and free of blisters, nicks or other imperfections which could mar conductors or cables.

5.5 Conduit is generally gray in color, unless otherwise agreed upon by both parties and/or any regulatory or inspection agency involved in specific projects.

#### 6.0 Testing and Acceptance Criteria:

Conduit and fittings shall be tested in accordance with the testing requirements defined in NEMA TC-2, NEMA TC-3 and UL-651 and 514. The acceptance criteria shall be as given in the same standards.

6.1 All conduit and fittings shall be solvent cemented in applications in accordance with instructions from the manufacturer.