

**SRI LANKA STANDARD 147 : 2013**  
**UDC 621 . 643 . 2 : 678 . 742 . 2 : 696 . 11**

**SPECIFICATION FOR  
UNPLASTICIZED POLY (VINYL CHLORIDE)  
PIPES FOR WATER SUPPLY AND FOR BURIED  
AND ABOVE GROUND DRAINAGE AND  
SEWERAGE UNDER PRESSURE  
(Third Revision)**

**SRI LANKA STANDARDS INSTITUTION**

**Sri Lanka Standard**  
**SPECIFICATION FOR UNPLASTICIZED POLY (VINYL CHLORIDE) PIPES FOR**  
**WATER SUPPLY AND FOR BURIED AND ABOVE GROUND DRAINAGE AND**  
**SEWERAGE UNDER PRESSURE**  
**(Third Revision)**

**SLS 147 : 2013**  
( Corrigendum 1 Attached)

**Gr.11**

*Copyright Reserved*  
**SRI LANKA STANDARDS INSTITUTION**  
**17, Victoria Place,**  
**ElvitigalaMawatha,**  
**Colombo 8,**  
**SRI LANKA.**

**Sri Lanka Standard**  
**SPECIFICATION FOR UNPLASTICIZED POLY (VINYL CHLORIDE) PIPES FOR**  
**WATER SUPPLY AND FOR BURIED AND ABOVE GROUND DRAINAGE AND**  
**SEWERAGE UNDER PRESSURE**  
**(Third Revision)**

## **FOREWORD**

This standard was approved by the Sectoral Committee on Materials, Mechanical Systems and Manufacturing Engineering and authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2013.06.04.

This Sri Lanka standard is the third revision of **SLS 147** Rigid Unplasticized Polyvinyl Chloride Pipes for Potable Cold water Supplies, first published in 1972 and then revised in 1983 and 1993. In this revision the title, scope, requirements for materials and dimensions of pipes have been revised.

All values given in this specification are in SI units as **ISO 1000**.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated expressing the result of a test or an analysis, shall be rounded off in accordance with **SLS 102**. The number of significant figures to be retained in the rounded off value shall be the same as that of the specified value in this standard.

In the preparation of this standard, valuable assistance derived from the following publications of International Organization for Standardization is gratefully acknowledged.

ISO 1452      Plastics piping systems for water supply and for buried and above ground drainage and sewerage under pressure-Unplasticized poly (vinyl chloride) PVC-U  
Part 1: General  
Part 2: Pipes

## **1      SCOPE**

This standard specifies the characteristics of solid-wall pipes made from unplasticized polyvinyl chlorides (PVC-U) for piping systems, intended for water supply for human consumption and for general purposes as well as for sewerage under pressure.

This standard specifies a range of pipe sizes and pressure classes and specifies requirements concerning colour and methods of test. This is applicable to extruded pipes with or without a socket (integral or not) intended to be used for conveyance of water and waste water up to and including 45 °C for the following:

- a) water mains and services buried in the ground;
- b) conveyance of water above ground for both outside and inside buildings; and
- c) buried and above-ground drainage and sewerage under pressure.