ISO 19220:2021 (E)

Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings — Styrene copolymer blends (SAN + PVC)

Contents

Foreword

1 Scope

2 Normative references

3 Terms, definitions, symbols and abbreviated terms

3.1 Symbols
3.2 Abbreviated terms

4 Material

4.1 SAN + PVC compound
4.2 Reprocessable and recyclable material
4.3 Sealing ring retaining means
4.4 Fire behaviour

5 General characteristics

5.1 Appearance
5.2 Colour

6 Geometrical characteristics

6.1 General
6.2 Dimensions of pipes
6.2.1 Outside diameters
6.2.2 Effective length of pipes
6.2.3 Chamfering
6.2.4 Wall thickness
6.3 Dimensions of fittings
6.3.1 Outside diameters
6.3.2 z-lengths
6.3.3 Wall thickness
6.4 Dimensions of sockets and pipe ends
6.4.1 Classification and designation of sockets
6.4.1.1 General
6.4.1.2 Ring seal sockets
6.4.1.3 Solvent cement sockets
6.4.1.4 Dual-purpose sockets
6.4.2 Dimensions of ring seal sockets and spigot ends
6.4.2.1 Diameters and lengths
6.4.2.2 Wall thicknesses of ring seal sockets
6.4.3 Dimensions of solvent cement sockets and spigot ends
6.4.3.1 Diameters and lengths
6.4.3.2 Wall thicknesses of solvent cement sockets
6.5 Types of fitting

7 Mechanical characteristics of pipes

7.1 General characteristics
7.2 Additional characteristics

8 Physical characteristics

8.1 Physical characteristics of pipes
8.2 Physical characteristics of fittings

9 Performance requirements

10 Sealing rings

11 Adhesives

12 Marking

12.1 General
12.2 Minimum required marking of pipes
12.3 Minimum required marking of fittings

13 Installation of piping systems

Annex A (informative) Additional characteristics of (SAN + PVC) pipes and fittings

A.1 General
A.2 Material characteristics
A.3 Chemical resistance

Page count: 30