DIN EN 12666-1:2011-11 (E)

Plastics piping systems for non-pressure underground drainage and sewera ge - Polyethylene (PE) - Part 1: Specifications for pipes, fittings and the system (includes Amendment A1:2011)

Contents

Page

Foreword ... 3
1 Scope ... 5
2 Normative references ... 5
3 Terms, definitions, symbols and abbreviations ... 7
3.1 Terms and definitions ... 7
3.2 Symbols ... 9
3.3 Abbreviations ... 9
4 Material ... 9
4.1 Base material ... 9
4.2 Reprocessable and recyclable material ... 10
4.3 Melt mass-flow rate ... 10
4.4 Resistance to internal pressure (long-term behaviour) ... 10
4.5 Thermal stability (OIT) ... 10
4.6 Fusion compatibility ... 11
4.7 Sealing ring retaining means ... 11
5 General requirements ... 11
5.1 Appearance ... 11
5.2 Colour ... 11
6 Geometrical characteristics ... 11
6.1 General ... 11
6.2 Dimensions of pipes ... 11
6.3 Dimensions of fittings ... 14
6.4 Dimensions of sockets and spigots ... 16
6.5 Types of fittings ... 20
7 Mechanical characteristics ... 23
7.1 Mechanical characteristics of pipes ... 23
7.2 Mechanical characteristics of fittings ... 24
8 Physical characteristics ... 24
8.1 Physical characteristics of pipes ... 24
8.2 Physical characteristics of fittings ... 25
9 Performance requirements ... 25
10 Sealing rings ... 26
11 Marking ... 26
11.1 General ... 26
11.2 Minimum required marking of pipes ... 27
11.3 Minimum required marking of fittings ... 27
11.4 Additional marking ... 28

Annex A (informative) General characteristics of PE pipes and fittings 29

Annex B (informative) [A1] Product standards of components that can be connected to components conforming to this standard [A1] 31

Bibliography 32