DIN EN 14758-1:2006-03 (E)

Plastics piping systems for non-pressure underground drainage and s ewerage - Polypropylene with mineral modifiers (PP-MD) - Part 1: Specifications for pipes, fittings and the system

Contents

Page

Foreword 4

1 Scope 5

2 Normative references 5

3 Terms, definitions, symbols and abbreviations 6
3.1 Terms and definitions 6
3.2 Symbols 9
3.3 Abbreviations 9

4 Material 10
4.1 PP-MD material 10
4.2 Reprocessable and recyclable material 10
4.3 Melt mass-flow rate 10
4.4 Mineral modifiers 10
4.5 Durability 11
4.6 Sealing ring retaining means 13

5 General characteristics 13
5.1 Appearance 13
5.2 Colour 13

6 Geometrical characteristics 13
6.1 General 13
6.2 Dimensions of pipes 13
6.3 Ring stiffness classes 17
6.4 Dimensions of fittings 17
6.5 Dimensions of sockets and spigots 18
6.6 Types of fittings 22

7 Mechanical characteristics of pipes 24
7.1 Mechanical characteristics of pipes 24
7.2 Mechanical characteristics of fittings 26

8 Physical characteristics 27
8.1 Physical characteristics of pipes 27
8.2 Physical characteristics of fittings 27

9 Performance requirements 28

10 Sealing rings 29

11 Marking 29
11.1 General 29
11.2 Minimum required marking of pipes 29
11.3 Minimum required marking of fittings 30
11.4 Additional marking 31

Annex A (informative) General characteristics of PP-MD pipes and fittings 32

A.1 General 32
A.2 Material characteristics 32
A.3 Ring stiffness 32
A.4 Chemical resistance 33
A.5 Abrasion resistance 33
A.6 Hydraulic roughness 33
A.7 Diametric deflection 33

Annex B (informative) Standards for pipes and fittings of a material other than PP-MD 34

Bibliography 35