

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

Plastics piping systems for non-pressure underground drainage and sewerage - 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