

DIN EN 1796:2006-05 (E)

Plastics piping systems for water supply with or without pressure - Glass-reinforced the rmosetting plastics (GRP) based on unsaturated polyester resin (UP)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative reference(s)	6
3	Terms, definitions and symbols	7
4	General	14
4.1	Classification	14
4.2	Materials	15
4.3	Wall construction	16
4.4	Appearance	16
4.5	Reference conditions for testing	16
4.6	Elapsed time for determination of long-term properties, (x)	17
4.7	Joints	17
4.8	Effect on water quality	18
5	Pipes	18
5.1	Geometrical characteristics	18
5.2	Mechanical characteristics	23
5.3	Marking	33
6	Fittings	33
6.1	General	33
6.2	Bends	34
6.3	Branches	38
6.4	Reducers	41
6.5	Saddles	44
6.6	Flanged adaptors	46
6.7	Marking	47
7	Joint performance	48
7.1	General	48
7.2	Dimensions	48
7.3	Non-end-load-bearing flexible joints with elastomeric sealing rings	48
7.4	End-load-bearing flexible joints with elastomeric sealing rings	50
7.5	Wrapped or cemented joints	52
7.6	Bolted flange joints	54
Annex A (normative)	Test method for the resistance to bending and pressure of end-thrust loaded joints in pipe systems	57
Bibliography		61