

ISO 15875-3:2003-12 (E)

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 3: Fittings

| Contents | | Page |
|--------------------|--|-------------|
| Foreword | | v |
| Introduction | | vii |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions, symbols and abbreviated terms | 2 |
| 4 | Material characteristics | 3 |
| 4.1 | Plastics fitting material | 3 |
| 4.1.1 | Fitting material identical to PE-X pipe material | 3 |
| 4.1.2 | PE-X fitting material not identical to PE-X pipe material | 4 |
| 4.1.3 | Plastics fitting material other than PE-X | 4 |
| 4.2 | Metallic fitting material | 4 |
| 4.3 | Influence on water intended for human consumption | 4 |
| 5 | General characteristics | 5 |
| 5.1 | Appearance | 5 |
| 5.2 | Opacity | 5 |
| 6 | Geometrical characteristics | 5 |
| 6.1 | General | 5 |
| 6.1.1 | Nominal diameter(s) | 5 |
| 6.1.2 | Angles | 5 |
| 6.1.3 | Threads | 5 |
| 6.2 | Dimensions of sockets for electrofusion fittings | 5 |
| 6.3 | Dimensions of metallic fittings | 6 |
| 7 | Mechanical characteristics of plastics fittings | 7 |
| 7.1 | General | 7 |
| 7.2 | Fittings made from PE-X material identical to the PE-X pipe material | 7 |
| 7.3 | Fittings made from PE-X not identical to the PE-X pipe material | 8 |
| 7.4 | Fittings made from plastics other than PE-X | 8 |
| 8 | Physical and chemical characteristics of plastics fittings | 8 |
| 9 | Sealing elements | 9 |
| 10 | Performance requirements | 9 |
| 11 | Marking | 9 |
| 11.1 | General requirements | 9 |
| 11.2 | Minimum required marking | 9 |
| Bibliography | | 11 |