

# ISO 4898:2010-03 (E)

## Rigid cellular plastics - Thermal insulation products for buildings - Specifications

---

| <b>Contents</b>                                     |  | <b>Page</b> |
|---|--|-------------|
| Foreword .....                                      |  | iv          |
| 1   | Scope .....  | 1           |
| 2   | Normative references .....                         | 1           |
| 3   | Terms and definitions .....                        | 2           |
| 4   | Sizes and dimensional-tolerance requirements ..... | 3           |
| 5   | Physical-property requirements .....               | 4           |
| 5.1   | Categories .....                                   | 4           |
| 5.2   | Subcategories .....                                | 4           |
| 5.3   | Limiting quality values .....                      | 4           |
| 5.4   | Burning characteristics .....                      | 4           |
| 6   | Sampling .....                                     | 4           |
| 7   | Conditioning .....                                 | 5           |
| 7.1   | Sample panels .....                                | 5           |
| 7.2   | Specimens .....                                    | 5           |
| 8   | Test methods .....                                 | 5           |
| 8.1   | Linear dimensions .....                            | 5           |
| 8.2   | Density .....                                      | 5           |
| 8.3   | Compressive strength .....                         | 5           |
| 8.4   | Thermal conductivity and resistance .....          | 6           |
| 8.5   | Dimensional stability .....                        | 6           |
| 8.6   | Compressive creep at elevated temperature .....    | 6           |
| 8.7   | Water vapour permeability .....                    | 6           |
| 8.8   | Water absorption .....                             | 6           |
| 8.9   | Bending load at break .....                        | 7           |
| 9   | Conformity control .....                           | 7           |
| 10  | Labelling and marking of products .....            | 7           |
| 11  | Reporting requirements .....                       | 7           |
| Annex A (normative) Amendments to ISO 12576-1 ..... |  | 12          |
| Bibliography .....                                  |  | 14          |