

# DIN EN ISO 844:2014-11 (E)

## Rigid cellular plastics - Determination of compression properties (ISO 844:2014)

---

| <b>Contents</b>    |  | <b>Page</b> |
|--------------------|--|-------------|
| Foreword .....     |  | 3           |
| 1                  | Scope .....  | 4           |
| 2                  | Normative references .....   | 4           |
| 3                  | Terms and definitions .....  | 4           |
| 4                  | Symbols and abbreviated terms .....                                  | 5           |
| 5                  | Principle .....  | 5           |
| 6                  | Apparatus .....  | 5           |
| 6.1                | Compression-testing machine .....                                    | 5           |
| 6.2                | Devices for measuring displacement and force .....                   | 6           |
| 6.3                | Instruments for measuring the dimensions of the test specimens ..... | 6           |
| 7                  | Test specimens .....   | 6           |
| 7.1                | Dimensions .....   | 6           |
| 7.2                | Preparation .....  | 7           |
| 7.3                | Number .....   | 7           |
| 7.4                | Conditioning .....   | 7           |
| 8                  | Procedure .....  | 7           |
| 9                  | Expression of results .....  | 8           |
| 9.1                | General .....  | 8           |
| 9.2                | Compressive strength and corresponding relative deformation .....    | 9           |
| 9.3                | Compressive stress at 10 % relative deformation .....                | 10          |
| 9.4                | Compressive modulus of elasticity .....                              | 10          |
| 10                 | Precision .....  | 11          |
| 11                 | Test report .....  | 11          |
| Bibliography ..... |  | 13          |