



## Extrusion in ceramics

/

Händle, Frank

Springer,

2007

Electronic books

Monografía

This is the first book worldwide about extrusion in ceramics to cover the complete subject. For the first time, readers find the principles of extrusion of ceramics, the history of extrusion in the ceramic industry, rheology of ceramic bodies, simulation for ceramic extrusion, wear and contamination in extrusion, additives for extrusion and more in 20 chapters, each chapter written by well known experts. Extrusion in Ceramics is written for advanced students in Material Sciences as well as for scientists, for experienced managers in the ceramic industry, as well as for newcomers who want to broaden their knowledge about the possibilities of this technology . The essential literature is cited for each chapter as well as for the whole field. Extrusion in Ceramics is a must for everybody who is involved in the extrusion of structural ceramics like bricks and tiles as well as in the extrusion of honeycombs and catalysts in advanced ceramics

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVlcmF0aW9uOmVzLmJhcmF0ei5yZW4vMjc1Mjg4MjE>

**Título:** Extrusion in ceramics Frank Händle (ed.).

**Editorial:** Berlin New York Springer 2007

**Descripción física:** 1 online resource (viii, 470 pages) illustrations

**Tipo Audiovisual:** chemie chemistry materialen materials optische instrumenten optical instruments chemische proceskunde chemical engineering optica optics Chemistry (General) Chemie (algemeen)

**Mención de serie:** Engineering Materials and Processes 1619-0181

**Documento fuente:** Springer eBooks

**Bibliografía:** Includes bibliographical references and index

**Contenido:** Cover -- Contents -- 1 Introduction -- 2 Shaping in Ceramic Technology -- an Overview -- 3 Current Classification of Ceramic Materials -- 4 Types of Extrusion Units -- 5 A Short History of the Extruder in Ceramics -- 6 The Principle of the Auger Extruder -- 7 Rheology of Ceramic Bodies -- 8 Rheology and Extrudability of Ceramic Compounds -- 9 Scenarios of Extrusion -- 10 Laminations in Extrusion -- 11 Additives for Extrusion -- 12 About Dies, Pressure Heads, Strainer Plates and more -- 13 Twin-screw Extruders in Ceramic Extrusion -- 14 Piston Extruders -- 15 Evacuation in Ceramic Extrusion -- Dependences and Local Situations -- 16 Evacuation Technology for Ceramic Extrusion -- 17 Thermoplastic Extrusion for Ceramic Bodies -- 18 Tribological Principles -- 19 Wear Protection for Augers in Ceramic Extrusion-state-of-the-art -- 20 Perspectives for Wear Reduction with

Ceramic Extruder Components -- 21 Test Methods for Plasticity and Extrusion Behaviour -- 22 Simulation in Ceramic Extrusion -- 23 Selected Literature -- The Authors of the Book -- Index -- Last Page

**Lengua:** English

**Copyright/Depósito Legal:** 180990205 225390981 243563445 607259158 648147287 648310964 756423859 787922682 880112314 994815066 1005782400 1035676323 1044191940 1044274055 1044593733 1056334453 1056342889 1056389520 1066458427 1077970220 1078872566 1086894123 1097295138 1105597056 1110732925 1156000634 1162635910 1204003370

**ISBN:** 9783540271024 3540271023 9783540271000 hardcover ; alk. paper) 3540271007 hardcover ; alk. paper) 9786610937431 6610937435 1280937432 9781280937439

**Materia:** Ceramics- Extrusión TECHNOLOGY & ENGINEERING- Chemical & Biochemical. Ceramics- Extrusión Chimie. Science des matériaux. Chemical engineering. Chemistry. Electronics- Materials. Optical materials.

**Autores:** Händle, Frank

**Enlace a formato físico adicional:** Print version Extrusion in ceramics. Berlin ; New York : Springer, 2007 9783540271000 3540271007 (DLC) 2007927055 (OCOLC)149648514

**Punto acceso adicional serie-Título:** Engineering materials and processes. 1619-0181

---

### **Baratz Innovación Documental**

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es