



Product Design and Engineering

By Bröckel, Ulrich / Meier, Willi

Condition: New. Publisher/Verlag: Wiley-VCH | Formulation of Gels and Pastes | Covering the whole value chain - from product requirements and properties via process technologies and equipment to real-world applications - this reference represents a comprehensive overview of the topic. | Changing product properties without changing the chemical structure of the active substances is the key to product design and engineering. This entails the selection of the appropriate engineering and formulation processes, starting with the required properties of a product, such as particle size, viscosity, stability, elasticity or durability. For instance, by modifying the surface and interfacial properties or product morphology, new and much better product properties can be obtained. Covering the whole value chain - from product requirements and properties via process technologies and equipment to real-world applications - this reference represents a comprehensive overview of the topic. The editors and majority of the authors are members of the European Federation of Chemical Engineering, and they describe here the best practices in product design and production. This book focuses on the formulation of gels and pastes, a subject with great impact in many different sectors, such as the pharmaceutical or food industries, and highlights rheological fundamentals as well as industrial...



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