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Titolo	Precision Lens Molding of Glass: A Process Perspective // by Jayson J. Nelson
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Descrizione fisica	1 online resource (XX, 135 p. 82 illus., 73 illus. in color.)
Collana	Progress in Optical Science and Photonics, , 2363-5096 ; ; 8
Disciplina	666.1
Soggetti	Ceramics Glass Composite materials Microwaves Optical engineering Lasers Photonics Optical materials Electronics - Materials Ceramics, Glass, Composites, Natural Materials Microwaves, RF and Optical Engineering Optics, Lasers, Photonics, Optical Devices Optical and Electronic Materials
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Glass Molding Overview -- Tool Materials and Tooling Package Design -- Molding Surface Design and Useful Equations -- Tool Coatings -- Moldable Glasses -- Crystallization Kinetics -- Molding Processes -- Applications.
Sommario/riassunto	This book highlights the tools and processes used to produce high-quality glass molded optics using commercially available equipment. Combining scientific data with easy-to-understand explanations of specific molding issues and general industry information based on firsthand studies and experimentation, it provides useful formulas for readers involved in developing in-house molding capabilities,

or those who supply molded glass optics. Many of the techniques described are based on insights gained from industry and research over the past 50 years, and can easily be applied by anyone familiar with glass molding or optics manufacturing. There is an abundance of information from around the globe, but knowledge comes from the application of information, and there is no knowledge without experience. This book provides readers with information, to allow them to gain knowledge and achieve success in their glass molding endeavors.

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