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Titolo	Hollow Glass Microspheres for Plastics, Elastomers, and Adhesives Compounds // edited by Stephen E. Amos, Baris Yalcin
Pubbl/distr/stampa	Amsterdam, [Netherlands] : , : William Andrew, , 2015 ©2015
Descrizione fisica	1 online resource (293 p.)
Collana	PDL Handbook Series
Disciplina	668.411
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Front Cover; Series Editor; HOLLOW GLASS MICROSPHERES FOR PLASTICS,ELASTOMERS,AND ADHESIVES COMPOUNDS; Copyright; Contents; Contributors; 1 - Introduction; Early Application Examples; References; 2 - Characterization; Density; True Density Using Gas Pycnometer; Bulk Isostatic Compression of HGMs; Uniaxial Compression Testing of Individual HGMs; Thermal Characterization; Thermal Conductivity; Electrical Properties and Dielectric Properties; Microscopic Imaging of HGMs; References; 3 - Hollow Glass Microspheres in Thermoplastics; Introduction; Benefits of HGMs in Thermoplastics Productivity Benefits of HGMs Through Faster Cooling Rates from the MeltDimensional Stability; Processing of HGMs; Pelletizing Effect on HGM Survival; Effect of Polymer Melt Viscosity on HGM Survival; Effect of Back Pressure on HGM Survival; Effect of HGM Loading on HGM Survival; HGMs in Polyolefins; HGMs in GF Filled PP; Case Study- Chemically Coupled GF Reinforced PP; HGMs in Talc Filled PP; HGMs in Unfilled Polyolefins; HGMs in PA; Comparative Review of other Thermoplastic Weight Reduction Methodologies and Combinations with HGMs; References 4 - Hollow Glass Microspheres in Rubbers and ElastomersBenefits of

HGM Use in Rubber; Physical Property Changes; Incorporation of HGMs in Rubber; 2-Roll Mills; Internal Mixers; Other Incorporation Methods; Rubber Additive Formulations and HGM Considerations; Application of HGM in Rubber; Example 1-Pneumatic Tires; Application of HGM in Rubber; Example 2-Shoe Soles; Application of HGM in Rubber; Example 3-Wire and Cable Compounds; References; 5 - Hollow Glass Microspheres in Sheet Molding Compounds; Sheet Molding Compound Basics; SMC Process; Hollow Glass Microspheres in SMCs; References 6 - Hollow Glass Microspheres in Thermosets-Epoxy Syntactic FoamsIntroduction; Application of Epoxy Syntactic Foams; Hollow Particle Properties; Fabrication of Syntactic Foams; Mechanical Properties; Compressive Properties; Tensile Properties; Electrical Properties; Thermal Properties; Multifunctional Syntactic Foams; Summary; List of Symbols; Acknowledgments; References; 7 - Hollow Glass Microspheres in Polyurethanes; Polyurethane Basics; HGMs in Thermoplastic PUs; HGMs in Thermoset PU; Syntactic PU Foams; Specialty PU Composites; PU Foams; References 8 - Hollow Glass Microspheres in PlasticsBackground Information; HGM Use and Benefits for Plastics; Plastics Mixing and Preparation; References; 9 - Hollow Glass Microspheres in Repair Compounds; Auto Repair Compounds; Wall Repair (Spackle Compounds); Tape Joint Compound; References; 10 - Handling of Hollow Glass Microspheres; Silos and Hoppers; Transfer of HGMs; References; 11 - Mixing and Dispersion of Hollow Glass Microsphere Products; Hollow Glass Microsphere Transport to Mixer; Fundamentals of Dispersion; Mixing and Dispersing Hollow Glass Microsphere Products Mixing Dynamics and Dispersion Blade Placement

Sommario/riassunto

Hollow Glass Microspheres for Plastics, Elastomers, and Adhesives Compounds brings together, for the first time, all of the practical and theoretical aspects of glass bubble manufacturing, including its properties, processing, and applications, as well as regulatory, environmental, and health and safety aspects. The book enables the reader to evaluate the applicability of glass bubbles to various applications involving polymers in thermoplastics, elastomers, liquid thermosets, and adhesives. It is an indispensable guide for material selection and improving sustainability of products. Re

2. Record Nr.	UNINA9910797420703321
Titolo	India migration report 2014 : diaspora and development // editor, S. Irudaya Rajan
Pubbl/distr/stampa	New Delhi : , : Routledge, , 2014
ISBN	1-315-65634-5 1-317-32479-X 1-317-32478-1
Descrizione fisica	1 online resource (337 p.)
Collana	India Migration Report
Altri autori (Persone)	RajanS. Irudaya
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Formato	Materiale a stampa
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Note generali	"With a foreword by Oommen Chandy"--cover.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Half Title; Title Page; Copyright Page; Dedication; Table of Contents; Tables; Figures and Boxes; Abbreviations; Preface; Foreword; Acknowledgements; 1. Diaspora and Development: Critical Issues; 2. Diaspora and Development: Case Study of the Indo-EU Diaspora; 3. Diaspora and Development: Theoretical Perspectives; 4. Diaspora, Transnationalism and Development; 5. Engaging the Indian Diaspora for Development; 6. Professional Diaspora Networks and Philanthropy in the Healthcare Sector; 7. Return of Diasporas: India's Growth Story vs Global Crisis 8. Punjabi Diaspora and Educational Development9. Land, Migration and Identity: Changing Punjabi Transnationalism; 10. Diaspora and Remittances; 11. Future Diasporas? International Student Migration from India to the UK; 12. Ethnic Indians in India's Look East Policy; 13. The Indian Diaspora in Oman; 14. Indian Migrant Experiences in Oman and Bahrain; 15. Nitaqat - Second Wave of Saudization: Is it an Answer to the Domestic Discontent?; 16. Kerala Emigration to Saudi Arabia: Prospects under the Nitaqat Law; 17. Migration and Inequality 18. International Trade in Health Services: An Indian Experience19. Capability Quotient of the North-Eastern Out-Migrants; 20. Living

Conditions of Sri Lankan Tamil Refugees in India; About the Editor;
Notes on Contributors; Index

Sommario/riassunto

India Migration Report 2014 is one of the first systematic studies on contribution of diasporas in development, in countries of origin as well as destination. This volume examines how diasporic human and financial resources can be utilized for economic growth and sustainable development, especially in education and health; offers critical insights on migrant experiences, transnationalism and philanthropic networks, and indigenization and diaspora policies, as well as return of diasporas; and includes case studies on Indian migrants in the Gulf region - in particular, Bahrain, Oman and Saudi Arab
