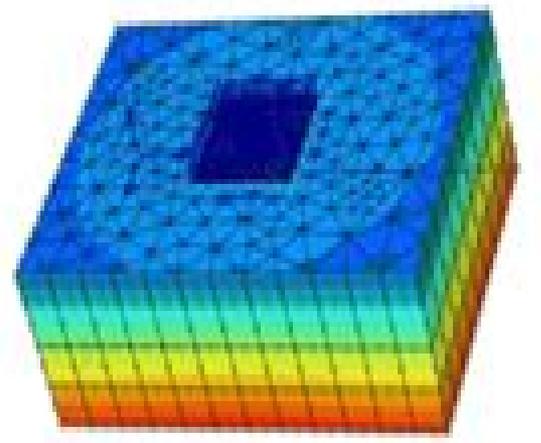
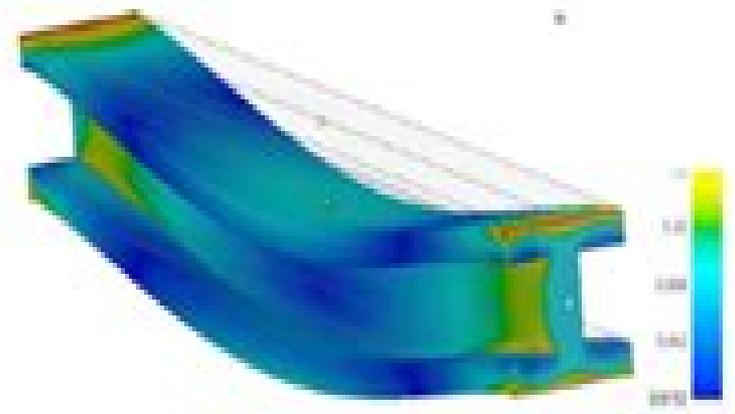




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Polyolefin Compounds and Materials Mariam Al-Ali AlMa'adeed, Igor Krupa, 2015-12-23 This book describes industrial applications of polyolefins from the researchers perspective Polyolefins constitute today arguably the most important class of polymers and polymeric materials for widespread industrial applications This book summarizes the present state of the art Starting from fundamental aspects such as the polymerization techniques to synthesize polyolefins the book introduces the topic Basic knowledge about polyolefin composites and blends is explained before applications aspects in different industry sectors are discussed The spectrum comprises a wide range of applications and industry sectors such as the packaging and food industry the textile industry automotive and buildings and even biomedical applications Topics which are addressed in the various chapters comprise synthesis and processing of the materials their classification mechanical physical and technical requirements and properties their characterization and many more In the end of the book even the disposal degradation and recycling of polyolefins are addressed and light is shed on their commercial significance and economic value In this way the book follows the entire lifetime of polyolefin compounds and materials from their synthesis and processing over applications to the recycling and reuse of disposed or degraded polyolefin substrates

Light Metals 2016 Edward Williams, 2016-12-20 The Light Metals symposia are a key part of the TMS Annual Meeting Exhibition presenting the most recent developments discoveries and practices in primary aluminum science and technology Publishing the proceedings from these important symposia the Light Metals volume has become the definitive reference in the field of aluminum production and related light metal technologies The 2016 collection includes papers from the following symposia 1 Alumina and Bauxite 2 Aluminum Alloys Processing and Characterization 3 Aluminum Reduction Technology 4 Cast Shop Technology 5 Electrode Technology 6 Strip Casting

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