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This volume documents the proceedings of the Second Symposium on Metallized Plastics: Fundamental and Applied Aspects held under the aegis of the Dielectric Science and Technology Division of the Electrochemical Society in Montreal, Canada, May 7-10, 1990. The first symposium on this topic was held in Chicago, October 10-12, 1988 and the proceedings of I which have been chronicled in a hard-bound volume I As pointed out in the Preface to the proceedings of the first symposium the metallized plastics find scores of applications ranging from very mundane to very sophisticated. Even a cursory look at the literature will convince that this field has sprouted; and there is every reason to believe that with all the research and development activities taking place, new and exciting applications of metallized plastics will emerge. The program for the second symposium was very comprehensive as it included 46 papers covering many aspects of metallized plastics. This symposium was a testimonial to the brisk research activity and keen interest in the topic of metallized plastics. The success of this symposium reinforced our earlier belief that there was a definite need to hold symposia on this topic on a regular basis. Concomitantly, the third symposium in this vein was held in Phoenix, Arizona, October 13-18, 1991 and the fourth is planned for May 16-21, 1993 in Honolulu, Hawaii. As regards the present volume, it contains a total of 35 papers covering a variety of topics ranging from very fundamental to very applied.

Includes a special annual issue: Insulation/circuits directory/encyclopedia.

Vols. for 1970-71 includes manufacturers' catalogs.

Written in easy-to-read and -use format, this book provides a strong training resource and reference for product designers using plastics in their products – helping them identify, quantify, and confirm whether problems are related to product design or process. • Updates coverage of data analysis techniques and examples and expands coverage of failure analysis, key because of increased litigation related to product liability • Overviews plastic testing methods and the framework to investigate causes of plastic part failure • Provides a strong training resource and reference for product designers using plastics in their products • Features a video tour of a plastics testing labroatory on a companion website and has a separate manual of problems and solutions that are appropriate for college professors using the book as a class textbook

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