

# Contents

Contents .....	3
Foreword .....	4
Determining the Solidus and Liquidus Temperatures in a PbSn System .....	5
Study of Polypropylene Crystallisation .....	9
Study of the Electrical Properties of Polymeric Composites.....	11
Temperature Dependence of Ceramic Capacitors .....	14
Temperature Dependence of Ferrite Permeability .....	17
Evaluation of Soft Magnetic Materials from Measurement their Static Hysteresis Loops ....	21
Distribution of Impurities in the Bulk Semiconductor .....	25
Diffusion in Semiconductor Materials.....	31
Hall Effect Measurement .....	36
Creep of Metals.....	40
Influence of Strain Hardening on the Mechanical Properties of Metals.....	43
First aid treatment for electrical shock .....	46
Safety rules for arc welding .....	46
Literature.....	47
List of used symbols .....	49