



Handbook of Plastics Joining, Second Edition: A Practical Guide (Plastics Design Library)

By Michael J. Troughton



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The new edition of this bestselling reference provides fully updated and detailed descriptions of plastics joining processes, plus an extensive compilation of data on joining specific materials. The volume is divided into two main parts: processes and materials. The processing section has 18 chapters, each explaining a different joining technique. The materials section has joining information for 25 generic polymer families. Both sections contain data organized according to the joining methods used for that material.

- * A significant and extensive update from experts at The Welding Institute
- * A systematic approach to discussing each joining method including: process, advantages and disadvantages, applications, materials, equipment, joint design, and welding parameters
- * Includes international suppliers' directory and glossary of key joining terms
- * Includes new techniques such as flash free welding and friction stir welding
- * Covers thermoplastics, thermosets, elastomers, and rubbers.



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Editorial Review

About the Author

Dr. Mike Troughton is Plastics Technology Manager at The Welding Institute (TWI), World Centre for Materials Joining Technology in Cambridge, UK. His main areas of expertise include the welding and NDT of plastics pipes, the testing of thermoplastics welds and the certification of plastics welding personnel, on which he has written over 20 technical papers.

He is chairman of the British Standards Institution Technical Committee PRI/80 (Welding of plastics), the European Welding Federation Working Group 'Plastics Welders,' the CSWIP Plastics Welder Certification Scheme Management Committee, and the Welding and Joining Society Polymers Technical Group. He is also vice-chairman of the American Welding Society subcommittee G1A (Hot gas and extrusion welding) and a member of AWS subcommittee B2F (Plastics welding qualification).

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