

1. Record Nr.	UNINA9910449706203321
Autore	Giles Harold F
Titolo	Extrusion [[electronic resource]] : the definitive processing guide and handbook / / by Harold F. Giles, Jr., John R. Wagner, Jr., Eldridge M. Mount, III
Pubbl/distr/stampa	Norwich, NY, : William Andrew Pub., c2005
ISBN	9786612737725 0-08-094695-X 1-282-73772-4 1-282-25312-3 9786612253126 9786612253119 9786612252976 0-8155-1711-4 1-59124-850-7
Descrizione fisica	1 online resource (575 p.)
Collana	PDL handbook series
Altri autori (Persone)	WagnerJohn R MountEldridge M
Disciplina	668.4/13
Soggetti	Plastics - Extrusion Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Single screw extrusion -- Extrusion process -- Extruder safety -- Single screw extruder: equipment -- Plastic behavior in the extruder -- Screw design -- Processing conditions -- Scale-up -- Shear rates, pressure drops, and other extruder calculations -- Twin screw extrusion -- Twin screw extrusion process -- Extruder safety -- Twin screw extruder equipment -- Plastic behavior in twin screw extruders -- Screw design -- Processing conditions -- Applications -- Scale-up -- Shear rate, pressure drop, and other extruder calculations -- Polymer overview and definitions -- Polymer structure -- Polymer rheology -- Testing properties -- Processing recommendations for various resin systems -- Troubleshooting the extrusion process --

Problem solving -- Five step problem solving process -- Design of experiments -- Quality -- Troubleshooting mechanical extrusion problems -- Troubleshooting extrusion product problems -- Troubleshooting sheet extrusion -- Troubleshooting cast film -- Troubleshooting blown film -- Troubleshooting profile and pipe -- Feed systems -- Dryers -- Screen changers -- Gear pumps -- Granulators -- Chillers and heaters -- Screw cleaning and purge compounds -- Coextrusion -- Coextrusion applications -- Feedblocks and dies -- Polymer selection for coextrusion -- Troubleshooting coextrusion -- Compounding -- Sheet and cast film -- Blown film -- Extrusion coating and lamination -- Wire and cable coating -- Profile extrusion -- Pipe and tubing extrusion -- Monofilament -- Extrusion blow molding -- Foam extrusion -- Solid stock shapes -- Reprocessing.

Sommario/riassunto

Why is it important to get to equilibrium and how long does it take? Are there problems running polypropylene profiles on a single screw extruder? Does the job involve compounding color concentrates on a corotating twin screw extruder? This unique reference work is designed to aid operators, engineers, and managers in quickly answering such practical day-to-day questions in extrusion processing. This comprehensive volume is divided into 7 Parts. It contains detailed reference data on such important operating conditions as temperatures, start-up procedures, shear rates, pressure drops, and safe

2. Record Nr.	UNISA996465916303316
Titolo	Parameterized and Exact Computation [[electronic resource]] : 4th International Workshop, IWPEC 2009, Copenhagen, Denmark, September 10-11, 2009, Revised Selected Papers / / edited by Jianer Chen, Fedor V. Fomin
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-11269-2
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (X, 335 p. 26 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5917
Classificazione	004 DAT 517f SS 4800
Disciplina	519.544
Soggetti	Computer programming Discrete mathematics Computer science—Mathematics Algorithms Programming Techniques Discrete Mathematics Mathematics of Computing Discrete Mathematics in Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Balanced Hashing, Color Coding and Approximate Counting -- Kernelization: New Upper and Lower Bound Techniques -- A Faster Fixed-Parameter Approach to Drawing Binary Tanglegrams -- Planar Capacitated Dominating Set Is W[1]-Hard -- Boolean-Width of Graphs -- The Complexity of Satisfiability of Small Depth Circuits -- On Finding Directed Trees with Many Leaves -- Bounded-Degree Techniques Accelerate Some Parameterized Graph Algorithms -- Pareto Complexity of Two-Parameter FPT Problems: A Case Study for Partial Vertex Cover -- What Makes Equitable Connected Partition Easy -- Improved Induced Matchings in Sparse Graphs -- Well-Quasi-Orders in Subclasses of Bounded Treewidth Graphs -- An Exact Algorithm for the

Maximum Leaf Spanning Tree Problem -- An Exponential Time 2-Approximation Algorithm for Bandwidth -- On Digraph Width Measures in Parameterized Algorithmics -- The Parameterized Complexity of Some Geometric Problems in Unbounded Dimension -- Paths of Bounded Length and Their Cuts: Parameterized Complexity and Algorithms -- Fixed-Parameter Algorithms in Analysis of Heuristics for Extracting Networks in Linear Programs -- A Probabilistic Approach to Problems Parameterized above or below Tight Bounds -- Polynomial Kernels and Faster Algorithms for the Dominating Set Problem on Graphs with an Excluded Minor -- Partitioning into Sets of Bounded Cardinality -- Two Edge Modification Problems without Polynomial Kernels -- On the Directed Degree-Preserving Spanning Tree Problem -- Even Faster Algorithm for Set Splitting! -- Stable Assignment with Couples: Parameterized Complexity and Local Search -- Improved Parameterized Algorithms for the Kemeny Aggregation Problem -- Computing Pathwidth Faster Than 2^n .
