

1. Record Nr.	UNINA9910807663203321
Titolo	Composite filament winding // edited by S.T. Peters
Pubbl/distr/stampa	Materials Park, Ohio, : ASM International, 2011
ISBN	1-62708-338-3 1-61344-760-4 1-61503-852-3 1-61503-836-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (173 p.)
Altri autori (Persone)	PetersS. T
Soggetti	Fibrous composites - Design and construction
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	""Title Page""; ""Copyright Page""; ""Contents""; ""Preface""; ""Chapter 1: Filament Windinga€?Introduction and Overview""; ""Chapter 2: Automated Filament Winding Systems""; ""Chapter 3: Integral Design for Filament Windinga€?Materials, Winding Patterns, and Roving Dimensions for Optimal Pressure Vessels""; ""Chapter 4: Programming Techniques, Computer-Aided Manufacturing, and Simulation Software""; ""Chapter 5: Fiber Trajectories on Shells of Revolutiona€?An Engineering Approach""; ""Chapter 6: Control of Filament Winding Parameters""; ""Chapter 7: Filament Winding Technology Learned"" ""Chapter 8: Static Mechanical Tests for Filament-Wound Composites"" ""Chapter 9: Pressure Vessel Design, Fabrication, Analysis, and Testing""; ""Appendix 1: Specifications and Designations of Fibers and Resins""; ""Appendix 2: Glossary of Filament-Winding Terms""; ""Index""