

1. Record Nr.	UNINA9911095266303321
Titolo	Aluminum : properties and physical metallurgy / / edited by John E. Hatch
Pubbl/distr/stampa	Metals Park, OH, : American Society for Metals, c1984
ISBN	1-61503-169-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (424 pages) : illustrations
Altri autori (Persone)	HatchJohn E
Disciplina	669/.96722
Soggetti	Aluminum Aluminum alloys
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Prepared under the auspices of the Aluminum Association."
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	""CONTENTS""; ""CHAPTER 1 PROPERTIES OF PURE ALUMINUM""; ""CHAPTER 2 CONSTITUTION OF ALLOYS""; ""CHAPTER 3 MICROSTRUCTURE OF ALLOYS""; ""CHAPTER 4 WORK HARDENING, RECOVERY, RECRYSTALLIZATION, AND GRAIN GROWTH""; ""CHAPTER 5 METALLURGY OF HEAT TREATMENT AND GENERAL PRINCIPLES OF PRECIPITATION HARDENING""; ""CHAPTER 6 EFFECTS OF ALLOYING ELEMENTS AND IMPURITIES ON PROPERTIES""; ""CHAPTER 7 CORROSION BEHAVIOR""; ""CHAPTER 8 PROPERTIES OF COMMERCIAL CASTING ALLOYS""; ""CHAPTER 9 PROPERTIES OF COMMERCIAL WROUGHT ALLOYS""; ""CHAPTER 10 ALUMINUM POWDER AND POWDER METALLURGY PRODUCTS"";""Subject Index"" ""Alloy Index""
Sommario/riassunto	A collective effort of 53 recognized experts on aluminum and aluminum alloys. This book is a joint venture by world-renowned authorities and the Aluminum Association Inc. and ASM International.