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| 1. Record Nr.           | UNINA9910877761103321  |
| Autore                  | Gordon M. Joseph   |
| Titolo                  | Total quality process control for injection molding // M. Joseph Gordon, Jr  |
| Pubbl/distr/stampa      | Hoboken, N.J., : Wiley, 2010   |
| ISBN                    | 1-282-55139-6<br>9786612551390<br>0-470-58449-1<br>0-470-58448-3   |
| Edizione                | [2nd ed.]  |
| Descrizione fisica      | 1 online resource (766 p.)   |
| Collana                 | Wiley series on plastics engineering and technology ; ; 2  |
| Disciplina              | 668.4/12   |
| Soggetti                | Injection molding of plastics - Quality control<br>Thermoplastics  |
| 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       | Total Quality Process Control for Injection Molding: Second Edition; Contents; Preface; 1: Total Quality Process Control; ISO 9001; DOCUMENTATION; ESTABLISHING PROCESS OWNERSHIP; IDEAS AND METHODS; 2: Implementing Total Quality Process Control (TQPC); QUALITY IMPROVEMENT PLAN; STATISTICAL PROCESS CONTROL (SPC); CONTROLLING THE PROCESS; CP THE CONTROL OF OPERATIONS; CPK-CENTERED PROCESS CONTROL; ESTABLISHING COMPANY QUALITY OBJECTIVES; CUSTOMER QUALITY; 3: Managing for Success, Commitment to Quality; OBJECTIVES FOR MANAGING A QUALITY SYSTEM; PROACTIVE PREVENTIVE ACTION TOTAL QUALITY PROCESS CONTROLAttitude; Control of Change; Improvement with Control of Change; Quality Decisions; PRINCIPLES FOR QUALITY SYSTEMS ENGINEERING; OBJECTIVES FOR MANAGING A QUALITY SYSTEM; CUSTOMER-SUPPLIER QUALITY AGREEMENTS; Captive Part Quality; PRODUCT QUALITY DETERMINATION; Parts to Print; FORM, FIT, AND FUNCTION (FFF); PRODUCT REQUIREMENTS; EXISTING MOLD CONSIDERATIONS; ESTABLISHMENT OF RESPONSIBILITY; DEPARTMENT TQPC RESPONSIBILITY; Program Development; ESTIMATED PIECE PART PRICE; MULTIFUNCTIONALITY; ASSEMBLY AND DECORATING; |

## MANUFACTURING CAPABILITY

COMPUTER-INTEGRATED MANUFACTURE (CIM) TRACKING  
MANUFACTURE; RFID; EDI; Just-In-Time; CONTROL OF OPERATIONS;  
PROCESS CONTROL; CONTROL CHARTING; INTERNATIONAL  
ORGANIZATION FOR STANDARDIZATION (ISO) ACCREDITATION;  
PROGRAM MONITORING - COMMUNICATION; COMMUNICATING  
QUALITY IN BUSINESS; COMMUNICATIONS; SURVEYS; QUALITY  
FUNCTION DEPLOYMENT (QFD); QFD IN OPERATION; CUSTOMER  
FEEDBACK; CRITICAL TO QUALITY (CTQ); BUILDING ON TQPC, PRODUCT  
MANUFACTURE; CHECKLISTS; QUALITY CIRCLES; FISHBONE ANALYSIS;  
FAILURE MODE AND EFFECTS ANALYSIS; TYPES OF FMEAs; FMEA TIMING;  
IMPLEMENTING AN FMEA; FMEA DEVELOPMENT

4: Customer Satisfaction MANUFACTURING AND SUPPLIER INPUT;  
VENDOR SELECTION; VENDOR SURVEY; CUSTOMER AND SUPPLIER  
AGREEMENTS; VENDOR CLINICS; PRODUCT REQUIREMENTS; PRODUCT  
PREPRODUCTION REVIEW; Contract Checklist; 5: Organization  
Responsibilities; QUALITY OPERATIONS; QUALITY UNIFORMITY;  
COMPLIANCE AUDITS; SIX SIGMA INTRODUCTION; PROCEDURE;  
QUALITY PROBLEMS; TQPC MANAGEMENT OPERATIONS; PREVENTIVE  
ACTION; 6: Establishing the Limits for Quality Control; PREPRODUCTION  
PRODUCT ANALYSIS; TAGUCHI METHODS; PROTOTYPING; MOLD LIMITS;  
MATERIAL SELECTION; CALCULATION OF PLASTIC PART COST  
CASE STUDY OF PRODUCT COST ANALYSIS ESTIMATING PART CYCLE  
TIME; MOLD PART CAVITY ESTIMATION; MOLD SIZE CONSIDERATIONS;  
INJECTION MOLDING MACHINE SELECTION; MELT GENERATION;  
MOLDING MACHINE SCREW-TYPE CONSIDERATIONS; MACHINE HOURLY  
RATE; MACHINE SETUP CHARGES; CALCULATING PRODUCT  
MANUFACTURING COST; MATERIAL SUPPLIER LIMITS; ESTABLISHING  
MANUFACTURING LIMITS; AUXILIARY EQUIPMENT; IN-PROCESS  
INSPECTION; ESTABLISHING TOTAL QUALITY PROCESS CONTROL;  
ACCEPTABLE QUALITY LIMITS; 7: Material Selection and Handling;  
THERMOSETS; THERMOPLASTICS; Amorphous Plastics; Crystalline  
Plastics

## CLASSIFYING THE POLYMERS

### Sommario/riassunto

The all-encompassing guide to total quality process control for injection molding. In the same simple, easy-to-understand language that marked the first edition, *Total Quality Process Control for Injection Molding, Second Edition* lays out a successful plan for producing superior plastic parts using high-quality controls. This updated edition is the first of its kind to zero in on every phase of the injection molding process, the most commonly used plastics manufacturing method, with an all-inclusive strategy for excellence. Beginning with sales and marketing, then moving forward