ISO 28219:2017-09 (E)

Packaging - Labelling and direct product marking with linear bar code and two-dimensional symbols

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 2

3 Termsanddefinitions 3

4 Requirements 4
4.1 Identification 4
4.1.1 General 4
4.1.2 Unique item identification 5
4.1.3 Lot or batch identification 5
4.2 Data format common requirements 5
4.2.1 General 5
4.2.2 General format 5
4.2.3 Mandatory data fields 6
4.2.4 Optional data fields 11
4.2.5 Syntax 13
4.3 General layout and location 14
4.3.1 Layout 14
4.3.2 Location 14
4.3.3 Linear bar code titles 14
4.3.4 Human-readable interpretation 14
4.4 Symbol requirements 15
4.4.1 Symbology recommendations 15
4.4.2 Linear bar code symbol requirements 15
4.4.3 Two-dimensional symbol requirements 17
4.4.4 Composite symbol requirements 23
4.5 Adhesive requirements 25

Annex A (informative) Label adhesive characteristics and mark durability 26

Annex B (informative)Partiallistofcommonlyusedidentifiers 34

Annex C (informative) Subset of ISO/IEC 646 (table of hexadecimal and decimal values) 36

Annex D (informative) User guidance for implementation of the ISO/IEC 15434 data syntax 38

Annex E (informative) For applications using Code 39 and Code 128 symbologies 39

Annex F (informative) Using DUNS®,withASCMH10DataIdentifiers(DIs)inlinearbar code and two-dimensional symbols 43

Annex G (informative) Register of issuing agency codes (IACs) for ISO/IEC 15459 45

Annex H (informative) Serialization of some electronics products 46

Annex I (informative) MOD 36 interior service number "check character" calculation 52

Bibliography 54