ISO 12086-1:2006-02 (E)

Plastics - Fluoropolymer dispersions and moulding and extrusion materials - Part 1: Designation system and basis for specifications

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 2

3 Terms and definitions 3

4 Abbreviated terms and symbols 5

5 Designation system 6
5.1 General 6
5.2 Data block 1 6
5.3 Data block 2 7
5.4 Data block 3 9
5.4.1 General 9
5.4.2 Transition temperatures 9
5.4.3 Relative molecular mass 11
5.4.4 Mechanical properties 12
5.4.5 Density 14
5.4.6 Percentage fluoropolymer and surfactant 14
5.4.7 Particle size 15
5.4.8 Bulk density 15
5.4.9 Powder-flow time 16
5.4.10 Extrusion pressure 16
5.4.11 Contamination 16
5.5 Data block 4 16
5.6 Data block 5 17
5.7 Designatory properties for fluoropolymers 17
5.7.1 Designatory properties applicable to all fluoropolymers 17
5.7.2 Designatory properties specific to particular classes of fluoropolymer 18

6 Example of a designation 19

7 Specifications for fluoropolymers 19

8 Packaging and marking 21
8.1 Packaging 21
8.2 Marking 21

9 Sampling 21

Annex A (normative) Designatory properties for common fluoropolymer types 22

Annex B (normative) Designatory properties for common fluoropolymer types with Annex C (informative) The fluoropolymer family 26

Annex D (informative) Standard specifications for fluoropolymers 28