
**Pigments and extenders — Methods
of dispersion and assessment of
dispersibility in plastics —**

**Part 1:
General introduction**

*Pigments et matières de charge — Méthodes de dispersion et
évaluation de l'aptitude à la dispersion dans les plastiques —*

Partie 1: Généralités



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Methods of dispersion and methods of assessment	2
4.1 Preliminary agreements	2
4.2 Plastics materials	2
4.3 Methods of dispersion	2
4.4 Methods of assessment	2
5 Procedures	3
5.1 Determination of colouristic properties and ease of dispersion in plasticized polyvinyl chloride by two-roll milling	3
5.2 Determination of colouristic properties and ease of dispersion of black and colour pigments in polyethylene by two-roll milling	3
5.3 Determination of colouristic properties and ease of dispersion of white pigments in polyethylene by two-roll milling	3
5.4 Determination of dispersibility of pigments by filter pressure value test	3
5.5 Determination of dispersibility of pigments by film test	3
6 Precision	3

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: [Foreword — Supplementary information](#).

The committee responsible for this document is ISO/TC 256, *Pigments, dyestuffs and extenders*.

ISO 23900 consists of the following parts, under the general title *Pigments and extenders — Methods of dispersion and assessment of dispersibility in plastics*:

- *Part 1: General introduction*
- *Part 2: Determination of colouristic properties and ease of dispersion in plasticized polyvinyl chloride by two-roll milling*
- *Part 3: Determination of colouristic properties and ease of dispersion of black and colour pigments in polyethylene by two-roll milling*
- *Part 4: Determination of colouristic properties and ease of dispersion of white pigments in polyethylene by two-roll milling*
- *Part 5: Determination by filter pressure value test*
- *Part 6: Determination by film test*

Pigments and extenders — Methods of dispersion and assessment of dispersibility in plastics —

Part 1: General introduction

1 Scope

This part of ISO 23900 provides an introduction to the various parts of ISO 23900 which describe methods for dispersing pigments and extenders in plastics materials in order to determine their dispersion characteristics and colouristic properties.

Methods of assessing dispersion characteristics are described in the subsequent parts of ISO 23900.

The various procedures described permit comparison to be made between similar pigments (for example between a test sample and an agreed reference pigment). The results provide an indication of relative dispersibility under practical conditions of use, provided that the test procedure and plastics material selected are appropriate.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 23900-2, *Pigments and extenders — Methods of dispersion and assessment of dispersibility in plastics — Part 2: Determination of colouristic properties and ease of dispersion in plasticized polyvinyl chloride by two-roll milling*

ISO 23900-3, *Pigments and extenders — Methods of dispersion and assessment of dispersibility in plastics — Part 3: Determination of colouristic properties and ease of dispersion of black and colour pigments in polyethylene by two-roll milling*

ISO 23900-4, *Pigments and extenders — Methods of dispersion and assessment of dispersibility in plastics — Part 4: Determination of colouristic properties and ease of dispersion of white pigments in polyethylene by two-roll milling*

ISO 23900-5, *Pigments and extenders - Methods of dispersion and assessment of dispersibility in plastics — Part 5: Determination by filter pressure value test*

ISO 23900-6, *Pigments and extenders - Methods of dispersion and assessment of dispersibility in plastics — Part 6: Determination by film test*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.