ISO 12742:2020 (E)

Copper, lead and zinc sulfide concentrates — Determination of transportable moisture limits — Flow-table method

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Apparatus

6 Sampling and sample preparation

6.1 General
6.2 Laboratory sample
6.3 Sample preparation

7 Procedure

7.1 General
7.2 Preparation of test portions3 3 Material from the IMO publication 'IMSBC Code, 2020 Edition' (sales code: IJ260E), is reproduced with the permission of the International Maritime Organization (IMO), which does not accept responsibility for the correctness of the material as reproduced; in case of doubt, IMO's authentic text shall prevail. Readers should check with their national maritime administration for any further amendments or latest advice. International Maritime Organization, 4 Albert Embankment, London, SE1 7SR, United Kingdom.
7.2.1 General
7.2.2 Filling the mould
7.2.3 Tamping pressure
7.2.4 Tamping procedure
7.2.5 Removal of the mould
7.2.6 Dropping the flow table
7.3 Identification of the flow state
7.4 Preliminary flow moisture point4 4 Material from the IMO publication 'IMSBC Code, 2020 Edition' (sales code: IJ260E), is reproduced with the permission of the International Maritime Organization (IMO), which does not accept responsibility for the correctness of the material as reproduced; in case of doubt, IMO's authentic text shall prevail. Readers should check with their national maritime administration for any further amendments or latest advice. International Maritime Organization, 4 Albert Embankment, London, SE1 7SR, United Kingdom.
7.4.1 Preparation of test portion
7.4.2 Determination of preliminary flow moisture point
7.4.3 Addition of water for preliminary flow moisture point test
7.4.4 Treatment of sample received above the flow moisture point
7.5 Main flow moisture point determination
7.5.1 Preparation of test portions
7.5.2 Determination of main flow moisture point
7.5.3 Addition of water for main flow moisture point determination
7.6 Graphical method
7.6.1 Preparation of test portions
7.6.2 Determination of flow moisture point

7.7 Moisture determination

8 Expression of results

8.1 Main flow moisture point
8.2 Flow moisture point determined by the graphical method

9 Validation of main flow moisture point

10 Test report

Annex A (normative) Description of equipment used to determine TML

A.1 Scope
A.2 Design requirements for the flow table and frame
A.3 Design requirements for the flow-table mounting
A.4 Flow-table lubrication
A.5 Design requirements for the mould
A.6 Design requirements for the spring-loaded tamper

Page count: 21