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SANITARY APPLIANCES - METHACRYLIC

DISPERSIONS OF HIGH FILLER CONTENT

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English Version

Sanitary appliances - Methacrylic dispersions of high filler content

Appareils sanitaires - Dispersions méthacryliques à taux de charge élevée

Sanitärausstattungsgegenstände - Hochgefüllte Methacryl-Dispersionen

This European Standard was approved by CEN on 13 January 2007.

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Foreword

This document (EN 15334:2007) has been prepared by Technical Committee CEN/TC 163 “Sanitary appliances”, the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2007, and conflicting national standards shall be withdrawn at the latest by August 2007.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

EN 15334:2007 (E)

1 Scope

This European Standard specifies test methods for measuring characteristics of pure methacrylic dispersions and sanitary appliances produced from dispersions by polymerisation.

2 Normative references

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

EN 59, *Glass reinforced plastics - Measurement of hardness by means of a Barcol impressor*

EN 20105-A02, *Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour (ISO 105-A02:1993)*

EN ISO 62:1999, *Plastics - Determination of water absorption (ISO 62: 1999)*

EN ISO 178, *Plastics - Determination of flexural properties (ISO 178: 2001)*

EN ISO 179-1, *Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test (ISO 179-1: 2000)*

EN ISO 306:2004, *Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST) (ISO 306: 2004)*

EN ISO 3451-1, *Plastics - Determination of ash - Part 1: General methods (ISO 3451-1: 1997)*

EN ISO 4892-2, *Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps (ISO 4892-2: 2006)*

ISO 4586-2, *High-pressure decorative laminates - Sheets made from thermosetting resins - Part 2: Determination of properties*

ISO 9352, *Plastics - Determination of resistance to wear by abrasive wheels*

ISO 11359-2, *Plastics - Thermomechanical analysis (TMA) - Part 2 - Determination of coefficient of linear thermal expansion and glass transition temperature*

3 Terms and Definitions

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

3.1

high filler content

filler percentage of inorganic materials greater than 50 % w/w

3.2

liquid methacrylic resin

solution of PMMA polymers and copolymers dissolved in MMA.

NOTE Other chemicals may be added to this resin (e.g. thixotropes, colorants, mould release agents), to further develop resin properties

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