BAM
Bundesanstalt für Materialforschung und -prüfung

REFERENCE MATERIAL DOCUMENT

REFERENCE MATERIAL BAM-E005

Brass carrier ring with bonded rubber for the outflow meter (MOORE)

Specification of the ring ID No. XX:

Hardness (apparent) according to ISO 868:

rubber ring measured on carrier:	xx Shore A
Standard uncertainty:	± 1 Shore A

Measurement uncertainties are determined from the combination of measurement error and the standard deviation of the measurement results, resulting from inherent batch fluctuations.

End of Validity

The statements in this document concerning the properties of the described reference material are valid for 1 year from the date of shipment provided the reference material is stored cool, dry, protected from light and kept in a protective cover (the original pressure seal bag) completely closed.

Date of Shipment from BAM: (month, year)

Expiring date: (month, year)

Material Description

The Moore outflow meter and the measurement procedure are described in EN 13036 part 3.

The standard describes a method for determining the horizontal drainability of a road surface as an indicator of relatively low texture using the outflow meter as a stationary device.
The outflow meter consists of a transparent acrylic glass hollow cylinder which is glued into a brass weight ring. The so-called foot ring, a brass carrier ring with a vulcanized elastomer ring, is screwed to the underside of the weight ring. For measurement, the outflow meter with the foot ring is placed on the surface to be tested and filled with water. The time required for the meniscus of the water column to sink from an upper to a lower measuring mark is a measure of the roughness of the surface.

Handling

The conditions for using the RM BAM-E005 are described in the introduction of the corresponding technical report (see below).

It is strongly recommended to handle and dispose of the reference material in accordance with the guidelines for materials legally in force at the site of end use and disposal.

Identification

The foot-ring is labelled indicating the producer (BAM), the month/year of production and identification number.

Specifications / Recommended Use

See EN 13036-3:2003 or TP Griff-StB (SRT); Edition 2021

Dimensions: Outer diameter 88 mm, height 10 mm

Literature

Information on safe handling of the reference material can be found in the available safety data sheet.
A detailed technical report describing the production, characterization and the treatment of the data for the RM BAM-E005 is available on request or can be downloaded from BAM website (https://www.bam.de).

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Bundesanstalt für Materialforschung und -prüfung (BAM)

Dr. Silke Richter
Committee for Certification

Dietmar Schulze
Project Coordinator
Division 7.5

This Reference Material is offered by:

Bundesanstalt für Materialforschung und –prüfung (BAM)

Unter den Eichen 87, D-12205 Berlin, Germany

P: +49 30 8104 3230

F: +49 30 8104 1707

E-Mail: crm-elastomer@bam.de

Internet: www.webshop.bam.de