BAM
Bundesanstalt für Materialforschung und -prüfung

REFERENCE MATERIAL DOCUMENT

REFERENCE MATERIAL BAM-E027

Slider 57 for the pendulum tester according to the requirements of EN 1338:2003/AC:2006, EN 1339:2003 and EN 1340:2003/AC:2006

Specification of the slider 57 with number XX as determined for the complete slider:

Hardness (apparent) according to ISO 48-4 at 23 °C:	xx Shore A
measurement uncertainty:	0.4 Shore A

The mass of the slider complies with the requirement of (35 ± 2) g.

Specification of the batch for the slider 57 as determined on a test plate:

Hardness according to ISO 48-2 at 23 °C:	xx IRHD
measurement uncertainty:	0.8 IRHD

	Rebound resilience according to ISO 4662				
0 °C	10 °C	20 °C	23 °C	30 °C	40 °C
	measurement uncertainty: 0.6 %				

The listed values for measurement uncertainties have a confidence level of 95 % (coverage factor=2).

The uncertainty of the values is furthermore influenced by material-related deviations within a production batch. Therefore, in individual cases, the total uncertainty may be higher.
For compliance with the standards the data of the elastomer batch determined on a test plate are applicable.

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 Production at BAM: (month, year)

Date of Shipment from BAM: (month, year)

Material Description

EN 1338, EN 1339 and EN 1340 describe a method for determining the slip/skid resistance of a surface using a device which remains stationary at the test location. The slip/skid resistance is measured by means of a slider (made with a standard rubber) mounted at the end of a pendulum arm. Upon releasing the pendulum arm from a horizontal position, the loss of energy as the slider assembly passes over the test surface is measured by the reduction in length of the upswing using a calibrated scale.

Handling

The conditions for using the RM BAM-E027 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 slider is labelled indicating the producer (BAM), the month/year of production, slider 57 and identification number.

Specifications / Recommended Use

See EN 1338, EN 1339 and EN 1340
Dimensions: 10 mm x 25 mm x 76 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-E027 is available on request or can be downloaded from BAM website (https://www.bam.de).

Accepted as a BAM-RM on January 01, 2004 revised June 2024

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