

The Reference Material (BAM-E014) delivered by BAM, Division 7.5 "Technical Properties of Polymeric Materials", is prepared for test purposes and tested in accordance with DIN EN ISO/IEC 17025:2018.

The properties of the rubber sheet **ISO 13226 SRE-FKM/2X or ISO 6072 FKM 2** correspond with the requirements given in ISO 13226 (*).

The manufactured rubber reference plate is labelled (identification) as follows:

BAM	(producer)
ISO 13226	(standard)
SRE - FKM/2X	(type of elastomer)
BAM-E014	(product number)
XXXX	(identification number)
20	(year of production)

Measurement results: determined from samples taken from a single standard plate from the charge mixture employed to produce plate number xxx to xxx.

	Requirements	Results	Standard Uncertainties
Density according to ISO 2781	(1,82 - 1,88) g/cm ³	1,8x g/cm ³	± 0,002 g/cm ³
Hardness according to ISO 48-2 (micro-test)	(67 - 73) IRHD	6x IRHD	± 3,8 IRHD
Tensile strength according to ISO 37	12 MPa min.	13,x MPa	± 0,8 MPa
Elongation at break according to ISO 37	250 % min.	33x %	± 35 %
Compression set according to ISO 815-1 type B test piece	15 % max.	1x %	± 1,6 %
Increase in mass in liquid C for fuels, as in ISO 1817; 60 °C, 24 h	(6 - 9) %	x %	± 0,6 %
Increase in mass in liquid E for fuels, as in ISO 1817; 23 °C, 22 h	(1 - 5) %	x %	± 0,6 %

The listed values for measurement uncertainties have a confidence level of 95 % (coverage factor=1,96). Measurement uncertainties are determined from the combination of measurement error and the standard deviation of the measurement results, resulting from inherent batch fluctuations.

(*) - material charges are manufactured according to the given standard. Within these limitations slight deviations from the recommended requirements, as clearly listed in the illustrated results table, may occur.

by order

Bundesanstalt für Materialforschung und -prüfung (BAM)

Dietmar Schulze; Quality Manager
 Division 7.5
 Unter den Eichen 87
 12205 Berlin
 Federal Republic of Germany

Tel.: +49 30 8104-3340
 Fax: +49 30 8104-1707
 Email: crm-elastomer@bam.de
 Webshop: <https://www.webshop.bam.de/>