date

The Reference Material (BAM-E020) 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 17025:2005.

The properties of the rubber sheet **ISO 6072 HNBR 1** correspond with the requirements given in ISO 6072 (*).
The manufactured rubber reference plate is labelled (identification) as follows:

BAM	(producer)
ISO 6072	(standard)
HNBR 1	(type of elastomer)
BAM-E020	(product number)
XXXX	(identification number)
19	(year of production)

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

	Requirements	Results	Standard Uncertainties
Density according to ISO 2781	(1,13 - 1,17) g/cm^3	1,xx g/cm^3	± 0,004 g/cm^3
Hardness according to ISO 48-2 (micro-test)	(65 - 71) IRHD	x9 IRHD	± 2,2 IRHD
Tensile strength according to ISO 37	20 MPa min.	1x,5 MPa	± 2,2 MPa
Elongation at break according to ISO 37	250 % min.	3x1 %	± 50 %
Compression set according to ISO 815-1 (150 °C, 22 h)	40 % max.	1x %	± 4,1 %
Increase in mass in liquid B for fuels, as in ISO 1817; 23 °C, 22 h	(21 - 31) %	x %	± 0,9 %

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

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