

HAW-W08

TM-HAW-W08e-05/19

Technical Data Sheet

Description

HAW-W08 is a soft rubber based on bromobutyl rubber (BIIR). The layer thickness of the rubber sheet may range between 3 and 6 mm.

Main Application

The lining of raw gas inlets for flue gas scrubbers in power stations and waste incineration plants, as well as reaction vessels and storage tanks that are subjected to aggressive chemical load and which are operated at temperatures up to 125 °C.

Range of Application

HAW-W08 is used as a protective lining for structural components made of steel that are subjected to chemical exposure and is distinguished by

- + an outstanding chemical resistance
- + an outstanding temperature resistance (depending on the medium) and
- + its suitability for vacuum-stressed environments
- + a high diffusion resistance

resistant:

- + nitric acid (up to 30%)
- + acid mixtures
- + hypochlorite

Physical Data

Material Properties	Unit	Value	Technical Standard
Hardness	Shore A	75 ± 5	DIN 53505
Specific weight	g/cm ³	1,19 ± 0,02	DIN EN ISO 1183
Tensile strength ^{*)}	MPa	≥ 5	DIN 53504
Elongation at break ^{*)}	%	> 100	DIN 53504
Rubber-metal-adhesion peeling test	N/mm	≥ 3	DIN EN 14879-4
Max. service temperature	°C	125	-

^{*)} The Values were determined at 4 mm thick rubber samples.

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Spark Test

The spark test (holiday test) of rubber lining is carried out according EN 14879-4 by using a high voltage tester. For carrying out the spark test, only the high voltage testers of the company Elmed model Isotest IIRT or Isotest Inspect 35 as well as the test pistols of company Wegener model WEG 20, WEG 22 or WEG 100 are allowed.

HAW-W08	Test Voltage [kV / mm]	Max. Test Voltage [kV / mm]
Unvulcanized	6,0	30,0
Vulcanized	6,0	30,0
Vulcanized charged*	4,0	30,0

* When testing components loaded with process medium, the test voltage shall be reduced.

The technical data contained herein represents the current state of our product knowledge and is intended to furnish general information regarding our products and their application spectrum. In view of the diversity and multitude of application possibilities, this data should be regarded solely as general information, which does not guarantee any specific properties and/or suitability of these products for each concrete case of application. Consequently, when ordering a product, please contact us for detailed information relative to the properties required for a specific application. Our technical service will, upon request, furnish a profile of characteristics for the concrete application without delay.

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