

HAW-H90

TM-HAW-H90e-09/12

Technical Data Sheet

Description

HAW-H90 is a graphite filled hard rubber material based on isoprene rubber (IR) that is vulcanized in an autoclave. The layer thickness of the rubber sheet may range between 3 and 6 mm.

Main Application

The lining of reaction and process tanks and pipe spools that are operated at high temperature ranges, max. 100°C (depending on the service conditions).

Range of Application

HAW-H90 is used as a protective lining for structural components made of steel that are subjected to chemical exposure.

resistant:

alkaline and acid fluids with the exceptions of oxidizing fluids

aliphatic hydrocarbons (with exceptions) and alcohol

limited resistant:

aromatics

Physical load

It is not permitted to exceed the temperature change speeds by more than 2 K/min.

Physical Data

Material Properties	Unit	Value	Technical Standard
Hardness	Shore D	78 ± 5	DIN 53505
Specific weight	g/cm ³	1,28 ± 0,02	DIN EN ISO 1183-1
Tensile strength ^{*)}	MPa	≥ 30	DIN 53504
Elongation at break ^{*)}	%	> 1	DIN 53504
Adhesive strength	MPa	≥ 6	DIN EN ISO 4624
max. service temperature	°C	100	-
Testing Voltage	kV/mm	3	-

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

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 concretely 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 concretely application without delay.