

# STANDARD MATERIAL RUBBER ELASTOMER



## seal-mart® HNBR

(hydrogenated acrylonitrile butadiene rubber)

physical properties	unit	value	standard
color		black	
specific gravity	g/cm <sup>3</sup>	1,45	ISO 1183
hardness	shore A	90 ± 5	ISO 868

mechanical properties	unit	value	standard
compression set: 100°C / 24 hours 25% def	%	≤ 32	ISO 815
elongation at break	%	≥ 220	DIN 53 504
tensile strength	MPa (N/mm <sup>2</sup> )	≥ 20	DIN 53 504
tear strength	kN/m	≥ 20	DIN ISO 34-1

thermal properties	unit	value
service temp min	°C	-20
service temp max	°C	+150

chemical properties
resistance to oil, petrol & crude oil
not resistance to concentrated (acids, lyes & polar solvents)

the mentioned data are only valid for test pieces of the corresponding ISO, DIN and ASTM standards and cannot be directly related to gaskets and joints. all values which are not marked are typical values which are only tested on selected samples based on our our experience and knowledge of typical applications of this product, and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such product.

