

## NBR

## P 559

- Ⓢ NBR, black – high-grade
- Ⓢ high nitrile quality with good mechanical properties
- Ⓢ good oil resistant – recommended for most aliphatic and aromatic oils
- Ⓢ good benzine resistant (also suitable for unleaded fuel): Fuel B (ISO 1817), 70 h/30 °C, approx. 20 % volume swell
- Ⓢ packaging see General Information

Hardness [Shore A]:	70 ±5
Density [g/cm <sup>3</sup> ]:	1.49
Tensile strength [N/mm <sup>2</sup> ]:	10
Elongation at break [%]:	330
Ozone resistance:	non resistant
Weather resistance:	non resistant
Oil resistance:	good resistant
Benzine resistance:	good resistant
Acid resistance:	moderately resistant
Strong bases:	resistant
Abrasion resistance:	moderately suitable

## WORKING TEMPERATURE RANGE

Medium	dyn. (stat.)	max.	short-term
Air	(-20) °C	+80 °C	+90 °C

## COMPRESSION SET DIN ISO 815

Duration	Temperature	CS
22 h	+100 °C	+40 %

## AGEING DIN 53508

Conditions	Hardness	Strength	Elongation
70 h/100 °C	+10 Shore A	-10 %	-35 %

## SWELLING DIN 53521

Medium	Conditions	Hardness	Volume
IRM 903	70 h/+100 °C	-5 Shore A	+10 %

## ROTA-CURED-SHEETS

Article-number	Thickness mm	Width m	Length m	Surface	No. of insert.
4101 62050	0.5	1.4	20	SS	0
4011 62100	1.0	1.4	20	SS	0
4011 62150	1.5	1.4	20	SS	0
4011 62200	2.0	1.4	20	SS	0
4011 62300	3.0	1.4	10	SS	0
4011 62400	4.0	1.4	10	SS	0
4011 62500	5.0	1.4	10	SS	0
4011 62600	6.0	1.4	10	SS	0
4011 62800	8.0	1.4	5	SS	0

## PRESS-CURED-SHEETS

Article-number	Thickness mm	Width m	Length m	Surface	No. of insert.
4213 62100	10.0	1.4	5	SS	0
4213 62120	12.0	1.4	5	SS	0
4213 62150	15.0	1.4	5	SS	0
4213 62200	20.0	1.4	5	SS	0
4213 62250	25.0	1.4	5	SS	0
4213 62300	30.0	1.4	5	SS	0
4213 62400	40.0	1.4	5	SS	0

S = smooth

Please Note:

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This catalogue has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operation conditions influence the application of each product, the information supplied in this catalogue can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether specified properties of our products are sufficient for the intended use. If there is any doubt (e.g. chemical resistance), do not hesitate to contact our qualified engineers. The use of our products is at the user's own risk. We do not have any influence concerning the application and individual usage. We do of course guarantee the quality of our products according to our general sales conditions, available on request.

Subject to alteration without prior notice – All mentioned properties contained in this catalogue are guiding values representing longterm experience average.

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