

NBR



NBR P 534

General:

NBR, black, high-grade
Sulphur crosslinked

High quality nitrile with good mechanical properties
Good oil resistant
good fuel resistant (alcohol-free fuels) up to 30 % aromatics content

Wrapping: stretched foil, labelled
standard finishing in separation foil

*SVHC-free

Properties:

Hardness [Shore A]:	ISO 7619-1	60±5
Density [g/cm³]:	ISO 1183-1	~1,19
Tensile Strength [N/mm²]:	ISO 37 type 2	11
Elongation at Break [%]:	ISO 37 type 2	400
ACN content:		31 %

correspond to WDK-guideline 2201 : 2020-10 "Quality characteristics of Elastomer sheets and plates"

Working temperature range

Medium	dyn.(stat.)	max.	short-term
Air	(-20)°C	+80°C	+100°C

Compression set DIN ISO 815

Duration	Temperature	CS
22h	+100°C	35 %

Ageing ISO 188

Conditions	Hardness	Strength	Elongation
72h / 100°C	5 Shore A	10%	25%

Swelling ISO 1817

Medium	Conditions	Hardness	Volume
IRM 903	72h / 100°C	5 Shore A	10 %

Stabilities:

Ozone resistance:	moderately resistant
Weather resistance:	moderately resistant
Oil resistance:	good resistant
Fuel resistance:	good resistant
(only alcohol-free fuels!)	
Acid resistance:	resistant
Strong bases:	resistant
Abrasion resistance:	moderately suitable

ROTACURED SHEETS product number	Thickness mm	Width mm	Length mm
401134100	1,0	1.400	20.000
401134150	1,5	1.400	20.000
401134200	2,0	1.400	20.000
401134300	3,0	1.400	10.000
401134400	4,0	1.400	10.000
401134500	5,0	1.400	10.000
401134600	6,0	1.400	10.000
401134800	8,0	1.400	5.000
401134000	10,0	1.400	5.000

PRESS-CURED SHEETS product number	Thickness mm	Width mm	Length mm
421334120	12,0	1.400	5.000
421334150	15,0	1.400	5.000
421334200	20,0	1.400	5.000
421334250	25,0	1.400	5.000
421334300	30,0	1.400	5.000

PAH disclaimer:

Referring to an [international proficiency test](#) and information received from the testing laboratories about accuracy of test results we may inform you, that test results for the same specimen from different laboratories may not correlate:

* Results of the 10 PAH with individual limits of < 1 mg/kg in the measurement range around the limit are only accurate to approx. ± 70%.

* Results of the overall limit of < 50 mg/kg are only accurate to approx. ± 35%

Our test results are provided on an as-is basis and to the best of our knowledge, without any legally binding commitment. Our tests do not release you from own tests as to the respective application envisaged.

Please note:

This datasheet 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 datasheet 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 warrant the quality of our products according to our General Sales Conditions, available on our website or on request. ©Copyright 2020 Semperit Technische Produkte GmbH

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