

# AAG NITRILE P627

## technical data sheet



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20/08/2024

### General:

**NBR**, off-white, - PAH free  
sulfur crosslinked  
food quality  
applicable for fatty food

#### \*BfR XXI

The formulation of the material P 627 complies with the requirements of the BfR Recommendations XXI

#### \*FDA 21 Food and Drugs Part 177.2600

Rubber articles intended for repeated use in contact with aqueous and fatty foods

Wrapping: stretched foil, labelled  
standard finishing in talcum

\*REACH-conform in accordance with EU 1272/2013

\*PAH – meets GS cat.3 in full content

### Working temperature range <sup>1)</sup>

Medium	dyn.(stat.)	max.	short-term
Air	(-30)°C	+80°C	+100°C

### Compression set DIN ISO 815 <sup>1)</sup>

Duration	Temperature	CS
22h	+100°C	35%

### Ageing ISO 188 <sup>1)</sup>

Conditions	Hardness	Strength	Elongation
70h / 100°C	5 Shore A	20 %	25 %

### Swelling ISO 1817 <sup>1)</sup>

Medium	Conditions	Hardness	Volume
IRM 901	70h / 100°C	15 Shore A	20 %

Rotacured sheeting	Thickness mm	Width mm	Length mm
401127100	1,00	1.400	20.000
401127200	2,00	1.400	20.000
401127300	3,00	1.400	10.000
401127400	4,00	1.400	10.000
401127500	5,00	1.400	10.000
401127600	6,00	1.400	10.000
401127800	8,00	1.400	5.000
401127000	10,00	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.

\*SVHC < 0,1%. Note: for consumer articles with skin contact further restrictions apply according to REACH.

### Properties:

Hardness [Shore A]:	ISO 48-4	60±5
Density [g/cm <sup>3</sup> ]:	ISO 1183-1	~1,29
Tensile Strength [N/mm <sup>2</sup> ]:	ISO 37 type 2 <sup>1)</sup>	11
Elongation at Break [%]:	ISO 37 type 2 <sup>1)</sup>	500
ACN content		33%

corresponding to WDK-guideline 2201: 2020-10 "Quality characteristics of Elastomer Sheetting"

### Stabilities:

Ozone resistance:	non resistant
Weather resistance:	non resistant
Oil resistance:	resistant
Fuel resistance:	non resistant
Acid resistance:	resistant
Strong bases:	resistant
Abrasion resistance:	moderately resistant

#### 1) Please note:

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, calculations, test values and data given correspond to the current state of the art and represent the average result of a sufficient number 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

certified according to ISO 9001:2015, ISO 45001:2018, ISO 14001:2015