

AAG NITRILE P459

technical data sheet



10
23/02 2022

General:

NBR-SBR, black, high-grade
Sulphur crosslinked
For medium mechanical demands

Good oil resistant
fuel resistant (alcohol-free fuels)

Wrapping: stretched foil, labelled
standard finishing in separation foil

*SVHC-free

Properties:

Hardness [Shore A]:	ISO 48-4	65±5
Density [g/cm ³]:	ISO 1183-1	~1,45
Tensile Strength [N/mm ²]:	ISO 37 type 2	7
Elongation at Break [%]:	ISO 37 type 2	250
ACN content:		33 %

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

Working temperature range

Medium	dyn.(stat.)	max.	short-term
Air	(-10)°C	+70°C	+90°C

Compression set DIN ISO 815

Duration	Temperature	CS
22h	+70°C	40%

Ageing ISO 188

Conditions	Hardness	Strength	Elongation
70h / 70°C	7 Shore A	10%	20%

Swelling ISO 1817

Medium	Conditions	Hardness	Volume
IRM 903 Fuel B	70h / 100°C 70h / 23°C	10 Shore A	15 % 20 %

Stabilities:

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

ROTACURED SHEETS product number	Thickness mm	Width mm	Length mm
401140100	1,0	1.400	20.000
401140150	1,5	1.400	20.000
401140200	2,0	1.400	20.000
401140300	3,0	1.400	10.000
401140400	4,0	1.400	10.000
401140500	5,0	1.400	10.000
401140600	6,0	1.400	10.000
401140800	8,0	1.400	5.000
401140000	10,0	1.400	5.000

PRESS-CURED SHEETS product number	Thickness mm	Width mm	Length mm
421340120	12,0	1.400	5.000
421340150	15,0	1.400	5.000
421340200	20,0	1.400	5.000
421340250	25,0	1.400	5.000
421340300	30,0	1.400	5.000
421340400	40,0	1.400	5.000
421340500	50,0	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.

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

AAG INTERLAYER FABRIC



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Raw Material – Specification of Fabric			
002043152 PES - RFL interlayer fabric			
Supplier code:			
Characterisation: Interlayer fabric with PES-yarns, RFL treated			
Supplier:			
Producer:			
Properties		Value	Standard
Fabric			
Weave		Interlayer - Trikot	
Square meter weight	[g/m ²]	37 ± 5	EN 12127
Thickness	[mm]	0,29 ± 0,04	EN ISO 5084
Width	[cm]	145 +3 -1	EN 1773
Warp:			
Raw Material		PES	
Yarn construction	[dtex]	280	EN ISO 1973
Density	[1/100 mm]	44 ± 3	EN 1049-2
Strength	[N/50mm]	> 320	EN ISO 13934
Elongation at break	[%]	12 ± 4	EN ISO 13934
Weft:			
Raw Material		PES	
Yarn construction	[dtex]	280	EN ISO 1973
Density	[1/100 mm]	3	EN 1049-2
		38 ± 2	
Strength	[N/50mm]	> 300	EN ISO 13934
Elongation at break	[%]	17 ± 4	EN ISO 13934
Length of the roll: 500 ± 10 m			
Packaging:			
On pasteboard shells straight selvage rolled up; with foil and fabric wrapping in order to protect against light, humidity, damage and disarrangement			
Treatment: RFL			
The supplier has to be informed in writing about any change that could influence quality, finishing or performance (especially raw material, production process or plant of production). Any change needs to be approved by the supplier in writing after sample evaluation.			
For each shipment the supplier requires a quality certificate acc. to EN 10204:2004-3.1			
Marking:	Designation (Supplier-Designation must be included)		
	Number of roll		
	Length of the roll		
	Date of production (date of treatment)		
Distributed: C, DP, DS, ZB, Supplier			
replaced:	1-002043152	provided:	Pokluda
from:	11.04.1996	tested and approved:	Ofner
Reason:	Elongation at break	Date:	23.01.2007
			Holzner

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