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Your link to our technical and HSSEQ team

Your personalized link to our NBR technical and HSSEQ services.

Have an easy overview on all requests answered and running for your company on Regulatory Affairs and Product Safety.

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Your link to NBR data base

Find NBR product information like product and safety data sheets, survey of grades and packaging information.

Have access to NBR HSSEQ relevant information on regulatory affairs and product safety.

<https://connect.nbr.arlanxeo.com/>

ARLANXEO Emulsion Rubber
High Performance Elastomers
La Wantzenau, France
nbr.emea@arlanxeo.com

Trial product:

(VP = Versuchsprodukt = trial product). The information contained herein is merely preliminary. Testing as to properties and applications is not final. Further information, including data which could change or add hazards with use, may be developed by the manufacturer, the user or a third-party institute. Such information may be needed to properly evaluate or use this product. Use is undertaken at the sole risk of the user.

Quality & Environmental Management:

ARLANXEO NBR is produced under strict control regarding safety, environmental protection and quality. The supply chain, from production to customer service is covered by ISO 9001, ISO 14001 and ISO 50001 certification.

Product Safety:

Relevant safety data and references as well as the necessary hazard warning labels can be found in the Material Safety Data Sheet.

Health and Safety Information:

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the ARLANXEO products mentioned in this publication. For materials mentioned which are not ARLANXEO products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. Consult your ARLANXEO representative or the Health, Safety, Environment and Quality Department (HSSEQ) of ARLANXEO.

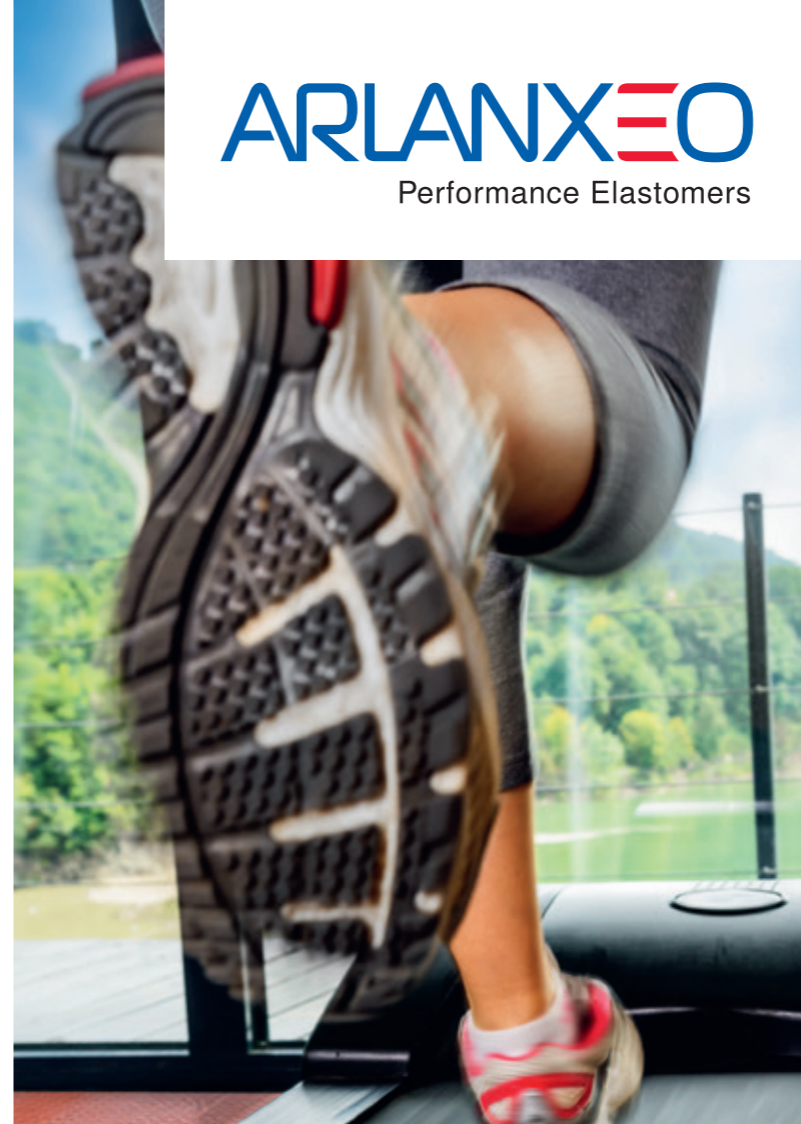
Regulatory Compliance Information:

Some of the end uses of the products described in this publication must comply with applicable regulations, such as the FDA, BfR, NSF, USDA and CPSC. If you have any questions on the regulatory status of these products, contact your ARLANXEO representative.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control.

Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale, which can be found at the ARLANXEO homepage. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information.

Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any intellectual property right.



NBR FULL PORTFOLIO ASSORTMENT



ARLANXEO is a leading global supplier of high quality nitrile butadiene rubber (NBR) who offers an extensive portfolio with three brands **Perbunan®**, **Krynac®** and **Baymod®N**. These brands of high performance NBR cover the broad variety of ratio between the non-polar butadiene monomer (50% – 82%) and the polar acrylonitrile monomer (18% – 50%). ARLANXEO meets therefore your demands for both excellent low temperature flexibility and exceptional resistance to swelling in oils, fuels and greases.

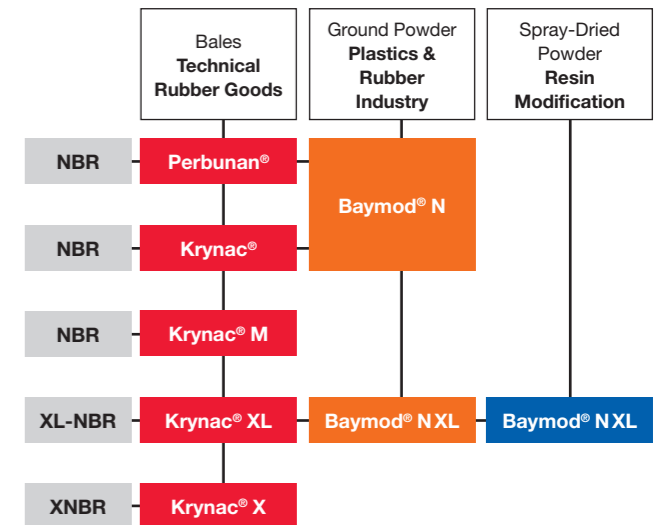
ARLANXEO – Global Leader in NBR

- Largest NBR capacity producer
- Leading quality and technology position
- Global sales force and technical service

Philosophy of ARLANXEO NBR Group

- Be the NBR partner for our customers
- Design NBR for our customers
- Make our customers successful

ARLANXEO NBR portfolio



ARLANXEO NBR bale portfolio

			Characteristics							Applications (preference selection)															
			Acrylonitrile Content (%)	Mooney Viscosity ² ML (1+4) 100 °C	Density (g/cm ³)	Low Mold Fouling Low Migration	High Oil & Fuel Resistance	Low Temperature Flexibility	Best Dynamical Properties	High Modulus	Easy Processing Smooth Extrusion	High Abrasion Resistance	Hoses	Seals	Gaskets	NBR / PVC	Belts	Roll Cover	Sponge	Oil & Gas	Footwear	Cots	Best for Food and Potable Water [*]		
Krynac®	2645	F	26	45	0.96																				
Krynac®	2850	F	27.5	48	0.97																				
Krynac®	2865	F	28	65	0.97																				
Krynac®	3330	F	33	30	0.97																				
Krynac®	3345	F	33	45	0.97																				
Krynac®	3370	F	33	70	0.97																				
Perbunan®	2845	F	28	45	0.96																				
Perbunan®	2870	F	28	70	0.96																				
Perbunan®	3430	F	34	32	0.97																				
Perbunan®	3445	F	34	45	0.97																				
Perbunan®	3470	F	34	70	0.97																				
Perbunan®	3945	F	39	45	0.99																				
Perbunan®	3965	F	39	65	0.99																				
Perbunan®	1846	F	18	45	0.93	■ ■ ■		■ ■ ■																	■
Perbunan®	2255	VP ¹	22	52	0.94			■ ■																	
Perbunan®	2831	F	28.6	30	0.96	■ ■ ■				■ ■															■
Perbunan®	2846	F	28.6	42	0.96	■ ■ ■		■		■ ■															■
Perbunan®	3436	VP ¹	34.7	34	0.98	■ ■ ■				■ ■															■
Perbunan®	3446	F	34.7	42	0.97	■ ■ ■				■ ■															■
Perbunan®	3481	F	34.7	78	0.97	■ ■ ■				■ ■									■		■				■
Perbunan®	4066	F	40	65	0.99	■ ■ ■	■			■ ■											■				■
Perbunan®	4456	F	44	55	1.01	■ ■ ■	■ ■			■											■				■
Krynac®	4450	F	43.5	50	1.00		■ ■			■						■					■				■
Krynac®	4955	VP ¹	48.5	55	1.01		■ ■ ■			■											■				■
Krynac®	4975	F	48.5	75	1.01		■ ■ ■			■ ■											■				■
Perbunan®	2895	F	28	95	0.96			■ ■ ■		■															
Perbunan®	28120	F	28	120	0.96			■ ■ ■		■															
Krynac®	33110	F	33	110	0.97			■ ■ ■		■ ■															
Krynac®	M 3340	F ⁴	22	33	0.98			■ ■ ■		■ ■															
Krynac®	XL 3355		33	55 ³	1.00					■ ■ ■			■												
Krynac®	XL 3375	VP ¹	33	75 ³	1.00					■ ■ ■		■													
Krynac®	X 146		32.5	45	0.97					■ ■ ■			■												■
Krynac®	X 160		32.5	58	0.97					■ ■ ■			■												■
Krynac®	X 740		26.5	38	0.99					■ ■ ■			■												■
Krynac®	X 750		27	47	0.99					■ ■ ■			■												■

ARLANXEO NBR powder portfolio

			Characteristics					Applications (preference selection)														
			Acrylonitrile Content (%)	Mooney Viscosity ² ML (1+4) 100 °C	Density (g/cm ³)	Average Particle Size (mm)	Partitioning Agent	Solution Process	Extrusion	Good Dispersion in Polar Matrices	Rubber Articles	PVC Modification	Other Plastics Modification	Friction Parts	Fiber Gaskets	Adhesives	Sealants	Best for Food and Potable Water [*]				
Baymod® N		34.52	33	45	0.98	0.70	Ca-Stearate	■ ■ ■	■		■	■			■	■		■				
Baymod® N		34.82	33	70	0.98	0.70	Ca-Stearate	■ ■ ■			■	■			■	■		■				
Baymod® N	XL	33.61	33	55 ³	1.01	0.40	PVC		■ ■ ■	■		■					■	■				
Baymod® N	XL	33.64	33	55 ³	1.01	0.40	Silica		■ ■ ■	■			■				■	■				
Baymod® N	XL	38.43	38	115 ³	1.01	0.12	CaCO ₃		■	■ ■ ■			■			■		■				

Perbunan® and Krynac® nomenclature

ACN % Content | Mooney Viscosity

Perbunan® 3445 F

Brand | Country of Origin
F = France

Key Property 1
X = Carboxylated
7 = 7% carbox. Acid
XL = pre-crosslinked
M = Mesamoll extended

Krynac® X740

Krynac® XL3355

Krynac® M3340F

Baymod® N

Special Property:
XL = pre-crosslinked
blank space = linear

Mooney Viscosity
5 = 50
6 = 60
8 = 80

Baymod® N WWXX.YZ

ACN % content w/o powder | Partitioning Agent

1 = PVC
2 = Calcium Stearate
3 = CaCO₃
4 = Silica

* information concerning food and potable water compliance is available upon request

Packaging: Bale wrapped in dispersible PE film (VICAT point 85°C), wood and cardboard
Packaging Powder: Cardboard boxes and wooden base pallet

¹ Trial product (VP = Versuchsprodukt)
² Unmassed (ISO 289-1)
³ Massed (ISO 289-1)
⁴ Plasticizer extended

Perbunan®

Perbunan® fact sheet

- Special fast-curing polymer
- High modulus and good sealing force retention
- Clean grades designed for injection molding
- Ideal for products in automotive-, construction- and machine industries as well as for food contact applications

Krynac®

Krynac® fact sheet

- Multi-purpose polymer with medium-speed cure
- Scorch safety improves processing behavior
- Special characteristics provided by pre-crosslinked, carboxylated and plasticizer extended grades
- Various applications for the automotive, industrial equipment & machinery industries, shoe soles, flooring and oil & gas

Baymod® N

Baymod® N fact sheet

- Free flowability ensures automatic processing
- Highly compatible with different polar base polymers (PVC, Phenolic Resin)
- Pre-crosslinked grades provide dimensional stability and serve as an excellent binder
- Linear grades are soluble and hence used in wet and solution processes or as a blend component in injection molding