

High performance binder for flange gaskets

BAYMOD® N 34.82

DISCOVER OUR PRODUCT PORTFOLIO

[Baymod® L](#) [Baymod® N](#) [Baypren®](#) [Buna®](#) [Keltan®](#) [Krynac®](#) [Levamelt®](#)

[Levapren®](#) [Perbunan®](#) [Taktene®](#) [Therban®](#) [X Butyl®](#)

ABOUT ARLANXEO

ARLANXEO is a world-leading synthetic elastomer company with its headquarters in The Hague, the Netherlands. Since December 31st, 2018, the company is a wholly-owned subsidiary of Saudi Aramco, a leading producer of energy and chemicals, based in Dhahran, Saudi Arabia. ARLANXEO develops, produces and markets high-performance elastomers that are used for a wide range of applications in the automotive and tire industry, building and construction, oil and gas industries as well as for consumer goods and the pharmaceutical sector.

Our production sites, research and development facilities and business offices span the globe to be close to our customers, maintain short transportation routes and assure high delivery reliability. Our world-scale plants produce efficiently, flexibly and sustainably – in Europe, Asia and North and South America.

As a competent and reliable partner of our customers, we deliver tailor-made solutions that reflect our high standards of quality, innovation, safety and sustainability. ARLANXEO offers a broad product lineup for highest requirements. We aim to create significant value for our customers and shareholders by applying best practices, using best-in class technologies and constantly striving for new and better solutions – for first-class products and services.

ABOUT ARLANXEO

THE ADDED VALUE OF ARLANXEO

BAYMOD® N 34.82

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THE ADDED VALUE OF ARLANXEO

Added value is what we provide over and above supplying our products. The services our people deliver throughout ARLANXEO are your added value.

Our know-how in recipe formulation

With our deep understanding of material properties and customer requirements, we develop products and recipe formulations that deliver the right solutions for our customers.

Our innovation in compounding and mixing

In our technical centers around the world we work on improving compounding and processing solutions to meet customer demands for efficiency and performance.

Our track record in product quality and consistency

Through our deep understanding of polymer science and the application of quality assurance techniques, we are able to offer a high product quality consistency.

Our experience in product performance in final applications

We provide deep technical know-how from the molecular architecture to the right performance characteristics in the end product. We work side-by-side our customers, developing products that meet tomorrow's requirements.

Our understanding of regulations and approvals

Based on the ISO 9001 standard, we implement key elements from essential automotive, food and pharma application standards and are implementing certification for environment, sustainability and energy. This will increase speed to market and our customers' advantage. Our Regulatory Affairs & Product Safety team is monitoring changing regulations and works to adapt our products and solutions to meet requirements.

Our deep knowledge-base across our broad elastomer portfolio and its global production

We have one of the broadest portfolios in the industry allowing our customers to source multiple high quality elastomer solutions whilst streamlining procurement contracts and logistics across continents.

HIGH PERFORMANCE BINDER FOR FLANGE GASKETS

Baymod® N

BAYMOD® N 34.82

ARLANXEO is a leading supplier of powder products for the manufacturing of flange gaskets. **Baymod® N 34.82** is a polar acrylonitrile-butadiene copolymer in powder form, which was especially developed for the production of flange gaskets, as a ready-to-use (fewer production stages needed) elastic binding agent for various fibers & fillers.

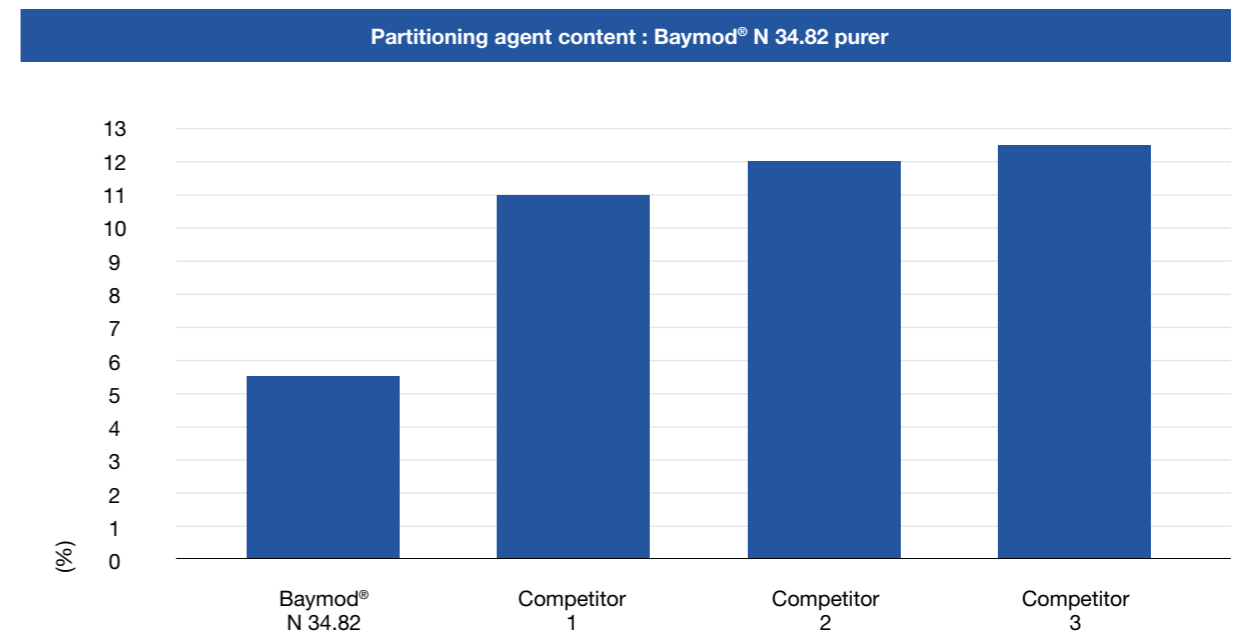
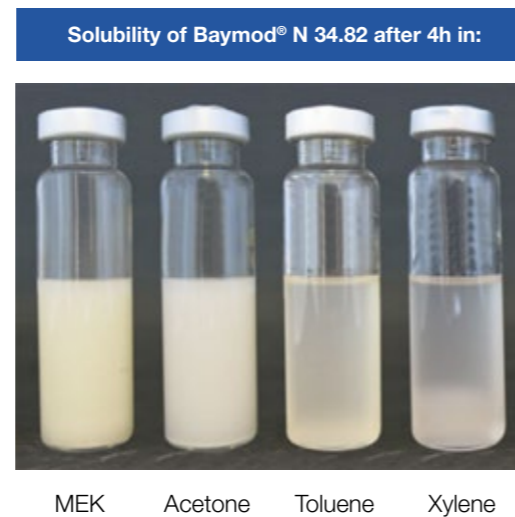
BAYMOD® N 34.82	
Linear polymer chains	
Mooney viscosity (1+4) 100 °C	70 MU
ACN content	33%
Average particle size	500 µm
Partitioning agent	Calcium stearate
Partitioning agent content	5.5%

The fine powder form and the linear (gel-free) molecular structure of **Baymod® N 34.82** enable, for “wet processes”, a fast & complete solvation into polar solvents such as methyl ethyl ketone and toluene.

Its highly effective partitioning agent, which keeps the **Baymod® N 34.82** free-flowing over time, is perfectly suited to the manufacturing process for flange gaskets. The low addition level makes **Baymod® N 34.82** the purest NBR powder in the market.

The free-flowing nature and fine size of the powder particles allow automatic metering for easy and precise dosing, and therefore enable short and/or continuous mixing processes.

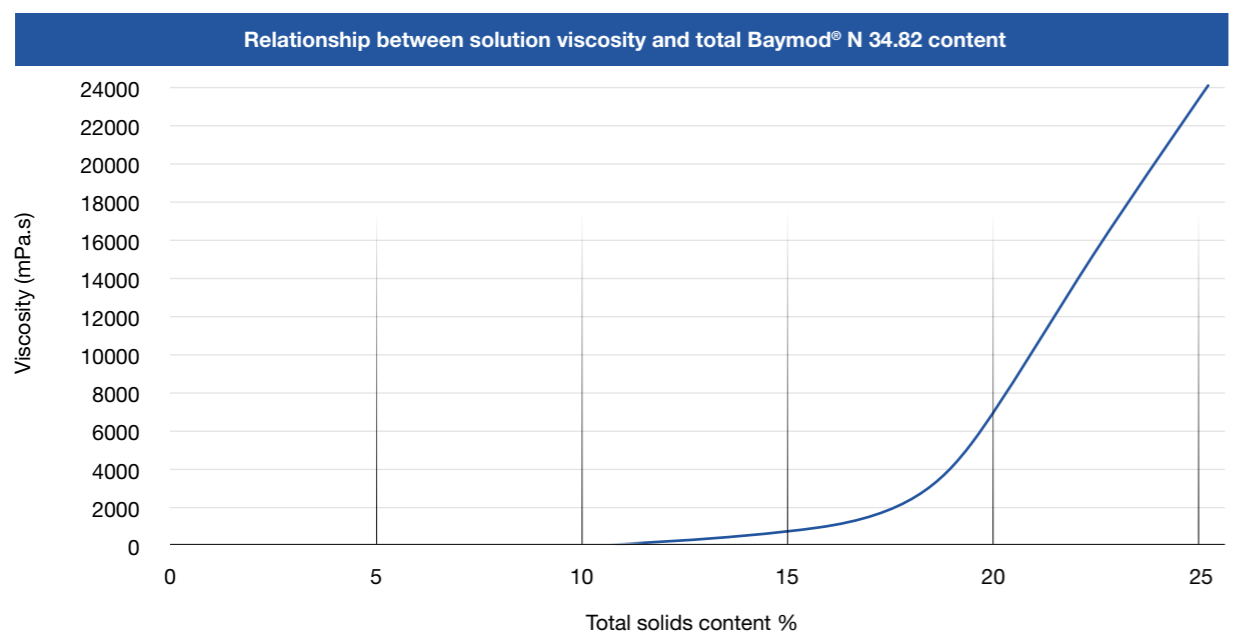
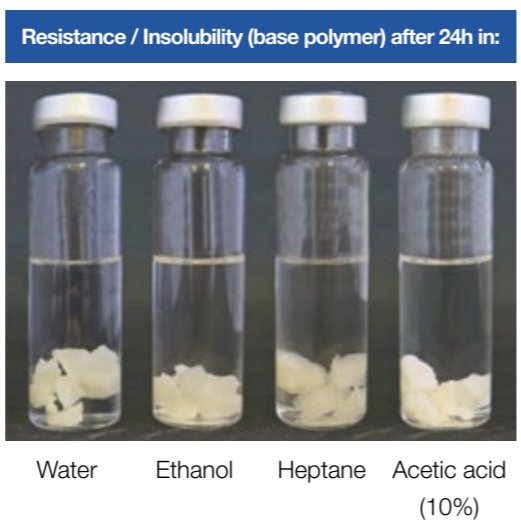
The Mooney viscosity of **Baymod® N 34.82** is especially chosen to give the best compromise between solvation speed, low solution viscosity (Brookfield) with a relatively high amount of rubber, and the mechanical properties of the end-gasket.



After drying on mills, calendering, sulfur curing and punching out to the required form, top quality flange gaskets are produced thanks to **Baymod® N 34.82**.

By compensating for irregularities between pipes, rubber flange gaskets are able to prevent leakage under high pressure conditions and in potentially aggressive chemical environments. They are also able to withstand temperatures up to 300 °C. In plant constructions, for safety and environmental excellence, such gaskets in flange joints must be reliable and durable.

Flange gaskets produced with **Baymod® N 34.82** offer an excellent resistance to oil, greases, fuel, aliphatic solvents, water, acids and bases while ensuring long lasting flexibility, low creep under load and low permeation. They are globally recognized as the benchmark reference.



Solvent: MEK · Brookfield viscometer
Spindle 6, Speed 2 rpm · Dissolution time to reach 6000 mPa.s = 73 mns



Product benefits

- Outstanding resistance to non-polar media
- Fast solvation, mixing & dispersion
- Time-saving (less handling, easy processability on roll mills)
- Excellent mechanical properties: low compression set, high tear & abrasion resistance, high tensile strength & elongation
- Rubber (ARLANXEO's expertise) application
- Food contact compliance



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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:

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

Product Safety:

Relevant safety data and references as well as the possibly necessary warning labels are to be found in the corresponding safety data sheets.

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 us through your ARLANXEO representative.

Regulatory Compliance Information:

Some of the end uses of the products described in this publication must comply with applicable regulations, such as the FDA, BIF, 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, is 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. 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.

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