

ARLANXEO

Performance Elastomers



BAYMOD® N XL 33.61
HIGH PERFORMANCE
PVC-MODIFIER

Baymod® N

nbr.arlanxeo.com

BAYMOD® N XL 33.61

HIGH PERFORMANCE PVC-MODIFIER

ARLANXEO is a leading supplier of powdered NBR products for PVC modification.

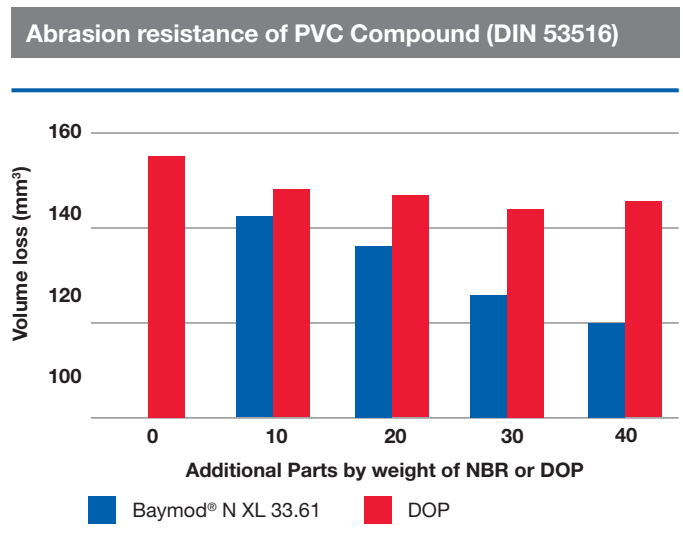
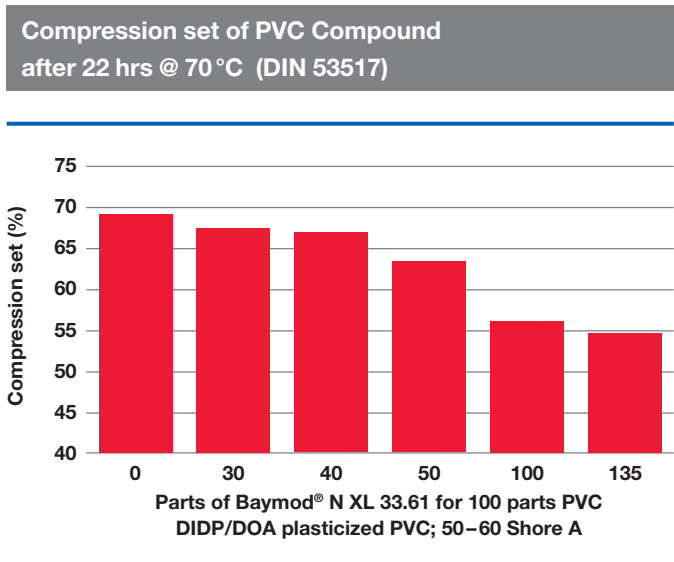
Baymod® N XL 33.61 is a polar acrylonitrile-butadiene copolymer in powder form, which was especially developed for the modification of soft and semi-rigid PVC compounds & articles.

Baymod® N XL 33.61	
Ground pre-crosslinked NBR	
Mooney viscosity (1+4) 100°C	55 MU
ACN content	33%
Average particle size	300 µm
Partitioning agent	PVC
Partitioning agent content	9%

The fine powder form of Baymod® N XL 33.61 enables a very homogeneous mix with PVC and other compounding ingredients by classical dry-blending, before further processing. Baymod® N XL 33.61 serves as a ready-to-use modifier and improves resistance to oils, fuels and greases of the final product.

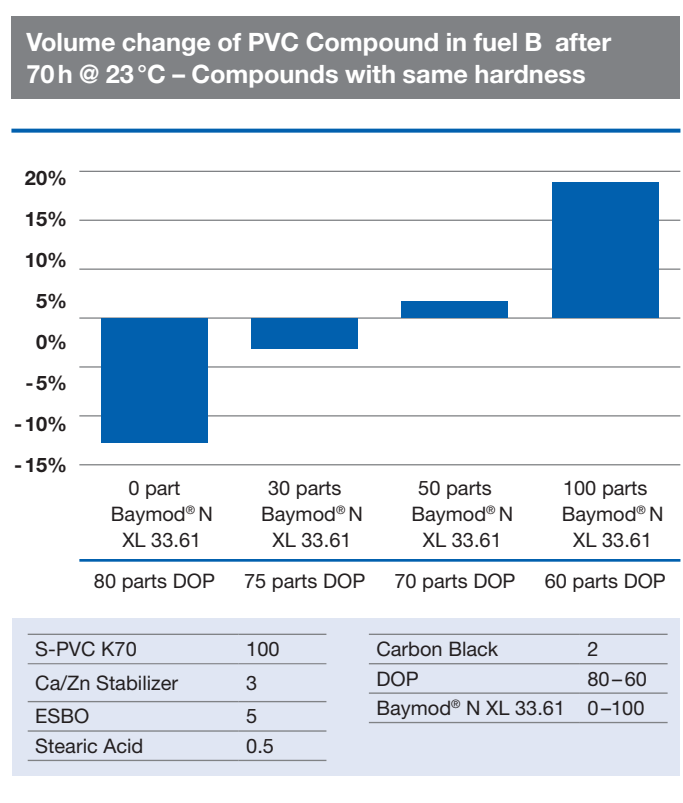
Its free-flowing property allows for automatic metering and processing.

Baymod® N XL 33.61 is highly compatible with PVC, another polar polymer. PVC compounds modified with Baymod® N XL 33.61 remain permanently flexible and elastic (especially required in sealing applications) while also being impact and abrasion resistant.



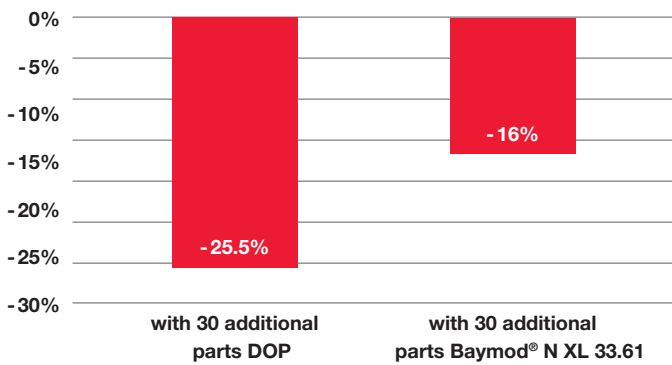
S-PVC K70	100	DOP	70 to 110
Ca/Zn Stabilizer	2	Baymod® N XL 33.61	0 to 40
ESBO	3		

Furthermore, it enables a very low extraction rate of plasticizers, especially in contact with oil, fuels and greases or at high temperatures, and thereby increases the life time of the product by preventing it from becoming brittle.



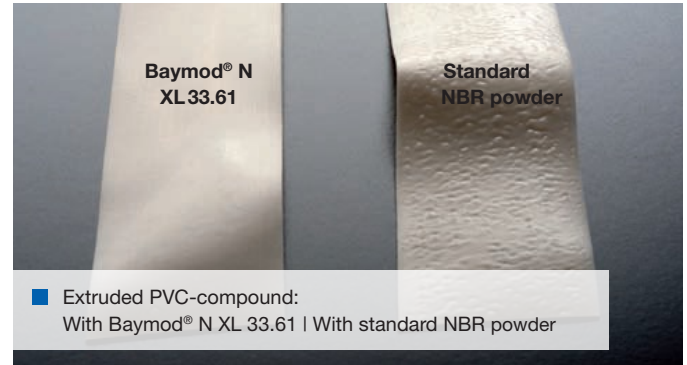
S-PVC K70	100	Carbon Black	2
Ca/Zn Stabilizer	3	DOP	80-60
ESBO	5	Baymod® N XL 33.61	0-100
Stearic Acid	0.5		

Weight change of PVC Compound in IRM 903 after 7 days @ 100 °C



S-PVC K70	100	DOP	70 or 100
Ca/Zn Stabilizer	2	Baymod® N XL 33.61	0 or 30
ESBO	3		

The pre-crosslinked structure of **Baymod® N XL 33.61** provides excellent dimensional stability, which results in outstanding extrusion, calendering and injection properties: e.g., extruded surfaces of PVC compounds containing **Baymod® N XL 33.61** are particularly smooth compared to standard products.



The long-term color stability is also improved by the use of **Baymod® N XL 33.61** compared to standard products.

Product benefits

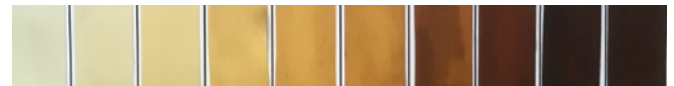
- Enables transparent applications
- Lower extraction on exposure to oils, fuels and greases
- Excellent hydrolytic stability
- Less fogging & reduced possible development of odors
- Less or no phthalate needed into soft-PVC compounds
- Food contact applications (FDA & EU 10/2011)
- Rubber touch

Improved hot air stability over time

PVC Compound with Baymod® N XL 33.61

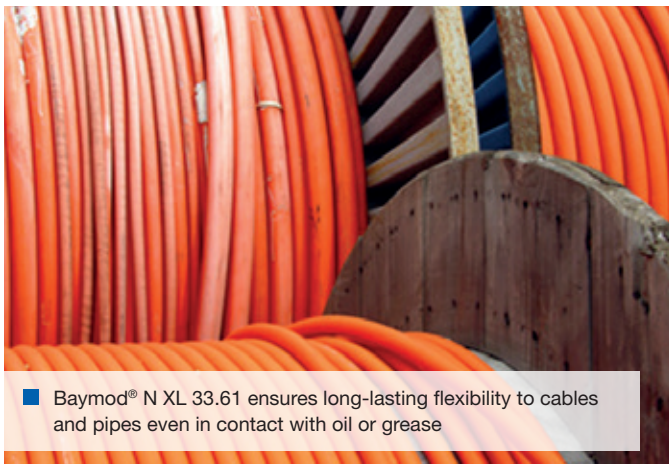


PVC Compound with standard NBR powder



Applications

Typical applications are cables, boots, garden hoses, refrigerator seals, window gaskets, foils, flooring, conveyor belts, profiles, tarpaulins, oil & fuel hoses...





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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 (HSEQ) 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, EU 10/2011, BfR, NSF, USDA and CPSC. If you have any questions on the regulatory status of these products, contact your ARLANXEO representative.

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