

High Performance Elastomers (HPE)

June, 2016

HPE, a business unit of the ARLANXEO group, is one of the main global suppliers of synthetic rubber for the rubber processing industry. The products are used to produce functional components for the automotive, gas/oil exploration and production and mechanical, construction and cable engineering industries. They are also used as modifiers for plastics and as raw materials for adhesives.

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www.arlanxeo.com

The rubbers supplied by this business unit provide solutions for an extraordinarily broad range of applications where “conventional” rubbers simply don’t make the grade. Examples include nitrile rubbers (Krynac®, Perbunan® and Baymod® N) that have a considerably higher resistance to oil than conventional rubbers, and hydrogenated nitrile rubbers (Therban®) that additionally demonstrate a better resistance to ozone, UV light, hot air and long-term aging. Ethylene-propylene-diene rubbers (Keltan®) from ARLANXEO are resistant to many polar solvents. Due to their resistance to weathering, they are used primarily in outdoor applications such as roof sheeting and sealing profiles for buildings and vehicles. Heat-resistant ethylene vinyl acetate rubbers (Levapren®, Levamelt® and Baymod® L) from ARLANXEO can absorb large volumes of special fillers and are therefore used to manufacture high-quality cable sheathing that displays excellent fire retardance. Due to a particularly balanced combination of many desirable properties, polychloroprene rubbers (Baypren®) from ARLANXEO serve as an economic “workhorse” in a number of challenging rubber applications such as fabric-reinforced hoses, foam rubber, drive belts and conveyor belts.

The industries supplied by ARLANXEO are correspondingly diverse. Its rubbers are used for functional parts in the automotive industry, in gas/oil exploration and production, mechanical engineering and the construction and adhesives industries. Some rubbers are also used to modify plastics.



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Efficient and environmental friendly production technologies

By applying the innovative Keltan ACE™ technology the manufacturing of Keltan is highly energy and resource efficient. Compared with conventional production processes, Keltan ACE technology reduces energy requirements for rubber production and it does not require catalyst extraction as a result of high catalyst efficiency. Furthermore, the process enables the manufacture of new EPDM rubber grades.

ARLANXEO is the only CR producer with dry finishing technology. Expansion of alternative Chloroprene (CR) finishing capacity to more than 60 kt solid Polychloroprene, offers reduced consumption of water and natural gas; eliminates the use of ammonia.

HPE is part of the ARLANXEO group, one of the world's leading synthetic rubber companies with total sales of around EUR 2.8 billion in 2015. HPE is headed by Jan Paul de Vries.

Most important brands & products

Keltan®: ethylene-propylene elastomers (EPMs and EPDMs)
Keltan® Eco: High-tech rubber based on ethanol from sugar cane
Therban®: hydrogenated nitrile rubber (HNBR)
Levapren®/Levamelt®, Baymod® L: ethylene-vinyl acetate rubber (EVM)
Baypren®: polychloroprene solid rubber and latices (CR)
Perbunan®/ Krynac®, Baymod® N: nitrile rubber (NBR)

Production locations

Changzhou and Nantong (China), Dormagen and Leverkusen (Germany), Geleen (Netherlands), La Wantzenau (France), Orange (USA) and Triunfo (Brazil)

Main sectors

Automotive sector and the mechanical engineering, construction, gas/oil exploration and production, electrical and footwear industries



Background information



Performance Elastomers

Detailed information can be found at:
www.arlanxeo.com

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About ARLANXEO

ARLANXEO is a world-leading synthetic rubber company with sales of around EUR 2.8 billion in 2015, about 3,800 employees and a presence at 20 production sites in nine countries. The company's core business is the development, manufacturing and marketing of high-performance rubber for use in, for example, the automotive and tire industries, the construction industry, and the oil and gas industries. ARLANXEO was established in April 2016 as a joint venture of LANXESS and Saudi Aramco.

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Forward-Looking Statements.

This news release may contain forward-looking statements based on current assumptions and forecasts made by ARLANXEO management. Various known and unknown risks, uncertainties and other factors could lead to material differences between the actual future results, financial situation, development or performance of the company and the estimates given here. The company assumes no liability whatsoever to update these forward-looking statements or to conform them to future events or developments.

