



ENVIRONMENTAL TECHNOLOGY

Major US food producer opts for AES-Elast™

One of the world’s leading producers of human and animal nutrition has chosen AES-Elast™ as the elastomer of choice for its North American operations.

The decision to use only AES-Elast™ in its mechanical seals rather than a non-food grade elastomer was taken to ensure compliance with the standards required by the US Food and Drug Administration (FDA) and the Environmental Protection Agency (EPA). Other O-rings were considered, but none had the level of compatibility of AES-Elast™, which can be used on a wide range of equipment throughout the company. This cuts inventory costs as well as doing away with the inefficiency of operating with a range of different O-rings in a variety of locations across the country.

AES-Elast™ has established itself as one of the world’s most generically applicable food-quality elastomers. It works well in hot water, caustics and CIP processes and in 98% of the Corn Wet milling applications. It combines the thermal resistance of Viton® with a high level of resistance to chemicals, and has the ability to operate effectively in the most difficult environments.

Following a series of trials in six applications over an eight month period, the company equipped its largest corn processing facility with AES-Elast™ in early 2024, and a second plant was converted in August of the same year. The plan is to install AES-Elast™ across its entire North American operation by mid-2025.

The main benefit of the product is in achieving the highest standards of Health and Safety by ensuring that only FDA-compliant products are being used on the company’s mechanical seals. In addition, the extensive trials carried out during 2023 have proved that AES-Elast™ will perform as well, if not better, than the non-FDA Aflas® and Viton® products previously in use.



‘FDA compliance on a wide range of products’

Industry:	Food & Beverage
Product:	AES-Elast™
Application:	Various
Reference N.O:	TD3112070



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