

# Timing drive systems

## Automotive

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### Benefits

- For more than 20 years, Envalior has helped the world's leading automakers improve the performance and efficiency of timing chain systems, wear guide faces, support arms, and related thermoplastic components through advanced material science. Envalior offers a full portfolio of durable thermoplastic materials formulated to reduce timing chain friction and improve efficiency. To protect the environment and aid regulatory compliance, Envalior offers letters of conformity for any grades with PTFE confirming they do not contain harmful PFAS or PFOA. In addition, Envalior offers superior PTFE-free solutions with best-in-class low-friction performance such as Stanyl® HGR3.



### Details

Stanyl® delivers best-in-class low-friction performance for improved efficiency; Stanyl® is a proven solution used by the world's top automakers; All grades are PFAS and PFOA free to ensure regulatory compliance and protect the environment; Bio-based material solutions available

### Products

Stanyl® HGR3-W  
PA46

Stanyl® HGR2  
(PA46+PTFE)

Stanyl® TW341  
PA46

Stanyl® TW241F10  
PA46-GF50

Stanyl® TW441  
PA46

Stanyl® TW241F12  
PA46-GF60

Akulon® S223-HG0  
PA66-GF50

Akulon® S240-CH  
PA66

Akulon® F136-DH  
PA6

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.

Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

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