

# Resonators and ByPass Valves

## Automotive / Engine / Air Intake

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### Benefits

- Lightweight
- Economical
- Reliable
- Durable
- Heatresistant
- Chemical resistant



### Details

Stanyl® Diablo and Akulon® Diablo are high heat resistant polyamides built specifically for demanding applications, such as resonators and bypass valves. Compared to metal, Stanyl® Diablo and Akulon® Diablo allow for 40% lighter systems and 20% lower costs. The excellent mechanical properties of Stanyl® Diablo and Akulon® Diablo grades provide high weld strength and ensure part integrity under pressure pulsation loads. These materials outperform competitive materials in terms of thermal oxidative stability and in maintaining high stiffness at elevated temperatures of up to 230° C.

### Products

Akulon® Diablo HT-HG0  
(PA66+PA6)-GF50

Akulon® Diablo HT-HG6  
(PA66+PA6)-GF30

### Speciality products

Stanyl® Diablo – Akulon® Diablo – ForTii® – ForTii® Ace



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