

No more porous moulded rubber parts:

# ERNST switches to the synthetic rubber EPDM.

Original mounting parts ensure the premium quality of ERNST exhaust systems. That goes for flexible tubes and pipe connectors, and now also for the new moulded rubber parts in unrivalled EPDM quality. No other rubber is as long-lasting – and continually ensures highest customer satisfaction.

Whether pipe connectors with minimal leak rates or asbestos-free sealings – mounting technology in premium-quality has been the focus at ERNST for years. The changeover of the most common moulded rubber parts to EPDM is a further logical step in this direction.

#### No more complaints.

Workshops complained more and more frequently about time-consuming and cost-intensive problems caused by porous and cracked moulded rubber parts. ERNST analyzed the problem and found a first-rate alternative to common natural rubber: the high-performance material and synthetic ethylene-propylene-diene rubber, EPDM for short.

EPDM convinces with outstanding product characteristics:

- Higher temperature resistance at high and low temperatures
- Outstanding resistance to weathering and ozone
- Great elasticity

#### Unrivalled premium quality that pays.

Now it was necessary to weigh up the costs and benefits. Do the outstanding product characteristics justify double the production cost? The answer was a clear yes. With rubber parts moulded from EPDM, ERNST offers matchless premium quality that pays off:

- No more porous moulded rubber parts
- No time-consuming complaints
- Increased productivity
- Highest customer satisfaction



Natural rubber (left) and EPDM (right) in direct comparison: long-term test on the centre silencer of an Opel Corsa C.

#### 3-month comparison:

## conventional moulded rubber parts vs. EPDM.



- The conventional product already shows first cracks on its surface and the rubber has hardened from about 58 to 70 Shore (A). Noise is the inevitable result.



- The moulded rubber part made of EPDM shows no visual damage and the hardness of the rubber stays at 52 Shore (A).

#### Visible differences in quality.

Crucial to the quality of moulded rubber parts is their Shore A hardness. It ensures optimum vibration response and a lastingly secure fit of the exhaust system.