

# Technical Datasheet

## AFD 2018 | the anaerobic surface seal



### **Description and field of application**

AFD 2018 is an anaerobic high-temperature sealing compound. This sealing compound can be used on flat, metallic sealing surfaces. Through the exclusion of air and the metallic structure of both surfaces, a media and temperature-resistant sealing film forms on both surfaces. After installation, an immediate sealing function exists against low pressures of about 5 bar. Removal is easily possible.

### **1. General product information**

<b>Chemical basis</b>	Methacrylate ester (solvent-free)
<b>Color</b>	Red
<b>Consistency</b>	Stable
<b>Temperature range</b>	-55°C to +150°C (briefly +180°C)
<b>Maximum sealing gap</b>	0.5 mm
<b>Resistant to</b>	Oil, grease, fuel, coolant, cold and hot water, salt water, etc.
<b>Possible applications</b>	Valve covers, control housing, camshaft support, flanged connections, housing and bearing covers, etc.

# Elring Sealing Compound

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Das Original

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## 2. Technical data

Measurable variables	Value	Test standard
Density	1.1 g/ml	DIN 53479
Viscosity (25°C)	50,000-250,000 mPA s	
Handling hardness	20-40 minutes	
Functional hardness	1-3 hours	
Complete curing	about 24 hours	
Strength category	2	DIN 30661
Shear strength	8-13 N/mm <sup>2</sup>	DIN 54452
Tensile strength	7-10 N/mm <sup>2</sup>	DIN 53288

## 3. Usage instructions

- Remove sealant residues and clean the sealing surfaces with solvent.
- The sealing surfaces must be clean, dry and free from oil and grease before the sealant compound is applied.
- Apply the sealant compound continuously and uniformly.
- Immediately remove excessively applied sealing compound, since there is a risk that this may drip inside.
- Fit components in accordance with the manufacturer's specifications.
- An immediate sealing function applies.
- Close the sealing compound after use.
- Safety and technical data sheet at [www.elring.de](http://www.elring.de)

## 4. Storage

- Optimum storage conditions: cool (+5°C to +25°C) and dry
- Minimum shelf life: 24 months in unopened containers

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## 5. Type of delivery

Article No.	Type of packaging	Filling quantity	Packaging unit	Languages (warnings for hazardous materials)
461.681	Concertina bottle	75 ml	9 pieces	DE/EN
470.200	Concertina bottle	75 ml	9 pieces	PL/CZ
470.500	Concertina bottle	75 ml	9 pieces	RU/SE

## Large containers on request

## 6. Exclusion of liability

The details provided above in this technical data sheet, in particular proposals for the processing and range of use of our products, are based on our current knowledge and experience. Due to the range of possible applications and the conditions of use and work which are beyond our control, we do not accept any liability for the suitability of our products for the relevant production processes under the specific operating conditions as well as for the intended processing purposes and results. To ensure such suitability, in any event we recommend carrying out adequate prior suitability trials and tests.

Any liability arising from the information in this technical data sheet and from other written or verbal advice for this product is expressly excluded, unless something else was contractually agreed individually, where loss of life, injury or damage to health exists, unless caused by us intentionally or due to gross negligence, or liability applies according to mandatory product liability regulations.



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