

## Aflux® 16

## Processing Promoters

### Function

Processing promoter for polymeric compounds, mainly based on EPDM and IIR

### Product description

Composition:	calcium salts of natural fatty acids in combination with amide ester waxes
Appearance:	beige granules
Density, 20 °C:	approx. 1,03 g/cm <sup>3</sup>
Ash content:	6.4 %
Melting range:	80-105 °C
Acid number:	max. 22 mg KOH/g
Solubility:	insoluble in water, partially soluble in acetone, ethanol, benzene
Discoloration of vulcanizates:	none
Physiological properties:	see safety data sheet

### Use

Mode of action:	Aflux 16 improves the flow properties of polymeric compounds by reducing viscosity and promoting slippage at the rubber-to-metal interface. This leads to higher extrusion rates, improved dimensional stability and a constant level of die swell. During injection molding Aflux 16 improves mold flow. It prevents sticking to the metal surfaces and enhances demoulding without mold fouling. It is recommended to use Aflux 16 when the mold has a complicated geometry. At the mixing stage Aflux 16 prevents sticking to roll surfaces and the rotors of the internal mixer. Aflux 16 has an activating effect on the crosslinking rate of sulphur crosslinked polymer compounds. In CR compounds Aflux 16 has a stabilizing effect. Processing safety is increased.
Processing:	Aflux 16 can be added to the polymeric compound any time during the mixing cycle. In order to optimize the releasing effect, it is advisable to add Aflux 16 just before the mixing cycle, e.g. at the heating before calendaring.

Dosage:                      in ACM: 1-3 phr                      in CR: 2-4 phr  
                                  in EPDM: 1-3 phr                    in IIR: 2-5 phr  
                                  in IR: 2-3 phr                        in BIIR/CIIR: 2-5 phr  
                                  in BR: 2-3 phr

Application:                      Polymer compounds, primarily based on EPDM and IIR

### **Packaging**

20 kg paper bag

### **Storage stability**

In original closed containers under cool and dry conditions three years

### **Handling**

For additional handling information on Aflux 16 please consult material safety data sheet (MSDS)

---

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

---



**LANXESS Deutschland GmbH**  
**Business Unit Rhein Chemie**  
Kennedyplatz 1  
D-50569 Cologne, Germany  
<http://rch.lanxess.com>