

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 pastilles
Specific Gravity:	approx. 1.03
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, benzine
Discolouration 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 moulding Aflux 16 improves mould flow. It prevents sticking to the metal surfaces and enhances demoulding without mould fouling. It is recommended to use Aflux 16 when the mould 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 cross-linking rate of sulphur cross-linked 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 EPDM: 1 - 3 phr in IIR: 2 - 5 phr in IR: 2 - 3 phr in BR: 2 - 3 phr	in BIIR/CIIR: 2 - 5 phr in CR: 2 - 4 phr in ACM: 1 - 3 phr
Application:	Polymer compounds, primarily based on EPDM and IIR. Reduces the viscosity of rubber mixes. Reduces sticking to mixing units, aids removal of vulcanizates from the mold.	

Packing

Paper bag, 20 kg

Storage stability

in original closed containers under cool and dry conditions max. 3 years

Handling

Consult material safety data sheet (MSDS) for additional handling information on Aflux 16.

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