**PT SIDDHARTA MANDIRI INDONESIA**
Pusat Niaga Terpadu
Jl. Daan Mogot Km. 19,6 Blok C No. 8 B
Tangerang, 15122
Tlp. 021-5451119, 54372733 Fax. 021-54372303

# HT16

## 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, lentil-shaped granules |
| Density(20 °C)/ g/cm3: | approx. 1.03 g/cm³ |
| 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:**

HT 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 HT16 improves mould flow. It prevents sticking to the metal surfaces and enhances demoulding without mould fouling. It is recommended to use HT16 when the mould has a complicated geometry. At the mixing stage HT16 prevents sticking to roll surfaces and the rotors of the internal mixer. HT 16 has an activating effect on the cross-linking rate of sulphur cross- linked polymer compounds. In CR compounds HT16 has a stabilizing effect. Processing safety is increased.

**Processing:**

HT16 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 HT16 just before the mixing cycle, e.g. at the heating before calendering.

**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:**

Calendered, technical moulded and extruded articles

**Packing**

Plastic and paper bag, 25 kg

**Storage stability**

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