



SOVEREIGN CHEMICAL COMPANY

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Process Aid HT16

Manufacturer	Shandong Yanggu Huatai Chemical Co., LTD.
Classification	Process Aid
Function	Processing promoter for polymeric compounds, mainly based on natural EPDM and IIR.

Physical Data

Specification Properties	Value
Ash content, %	5.8-7.0

Typical Properties	Value
Physical Form	Beige granule
Density, g/cm ³ @20 °C	1.03

Applications

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

Processing: 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 calendaring.

Dosage

Guidelines (in phr)

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

Packaging and Storage

Packaging: 25 Kg (55.1 lb.) bag.

Shelf Life: 3 years from date of manufacture if stored as indicated below.

Storage: Store in unopened original packaging in a cool dry area.

Specification Date: January 15, 2015 (Supercedes: February 10, 2014)