



# SHANDONG SANYI GROUP CO., LTD

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## PVC Processing Aid

### YF-175

#### 1) Description

YF-175 is a lubricated processing aid with unique functions. In the PVC processing molding process, the addition of a small amount of the product, can promote material plasticization at the same time, but also has excellent metal stripping effect, better processing fluidity, delay the driving cycle, improve production efficiency. It can be used alone or added with other processing aids to promote the plasticization of PVC resins. This product is suitable for all PVC products, such as sheets, films, bottles, profiles, tubes, pipes, injection molded parts and foaming sheets.

#### 2) Typical Physical Properties

INDEX	YF-175
Appearance	White, free flowing powder
Viscosity ( $\eta$ ) (Ubbelohde Viscometer)	0.5-1.0
Bulk Density( g/cm <sup>3</sup> )	0.50±0.10
Volatiles ( %)	≤1.50
Particle Size (Passing Rate Of 40 Mesh)( %)	≥98

Comparable Type: K-175, PA 101

#### Performance comparison with other lubricants:

Item	Metal release	Transparency	Tone	Plasticization property
Lubricating YF series	Good	Good	Good	Good
Stearic Acid	Fair	Good	Bad	Good
Oxidized PE Wax	Good	Fair	Fair	Fair

#### Score recommendation

Item	YF-175
Recommended dosage	0.3~0.8



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### 3) Advantages

- Good metal release properties
- Enhance the plasticity of PVC resin
- Good flowability
- Increase the surface quality of PVC products

### 4) Application

- PVC profile
- PVC film, sheet for transparence using
- PVC bottle
- PVC pipe/pipe fittings
- PVC foam products

### 5) Packing And Storage

\*25kg / bag, 500 kg / bag, PP outer bag lined with PE inner bag.

\*The product should be stored in a cool and dry environment.

\*The limited period of the product is tentatively 2 years.

\*After the period of validity, the product can continue to be used after passing the test.