

Oxidized Polyethylene Wax

Introduction

Compared with PE Wax, the molecule structure of OPE Wax have some hydroxyl groups on them. So the intermiscibility with the polar resin will be improved a lot. It is better than PE wax when it is with the polar material. It is balance on PVC interior & exterior lubricant. It is better than other lubricant when the OPE Wax used for rigid and transparent PVC processing.

Performance characteristics

1. High softening point and good hardness with stable chemical characteristics of good heat stability
2. Good dispersion performance, no poison, no blooming and sticking the mold
3. An ideal interior & exterior lubricant

Specification

Item	Analysis method	SOP316	SOP269
Softening Point, °C	ASTM D3954	130-135	100-105
Viscosity, CPS@140°C	ASTM D1986-2013	8000~10000	200-300
Acid Value, mgKOH/g	ASTM D 1386	18-25	15-20
Density (g/cm ³)	GB4472-84	0.97~0.99	0.92-0.93
Hardness, dmm@25°C	ASTM D1321	0~1	0-5
Appearance	—	powder	powder

Application

1. As a dispersant for color master batch processing.
2. As an interior lubricant for PVC profile, pipes, plastic forming process, it can improve the toughness of the plastic products and make the product surface smooth with high output.
3. In the process of PVC film production, it can improve the gloss and transparency of the film.
4. It can also improve the horizontal and vertical toughness of the films.
5. For water-based paint and ink, the paint coating, polishes and textiles, it can reduce the friction coefficient in order to improve the surface properties, for example the scratch resistance and abrasion resistance.
6. It can improve the softening point of wax product, increase the intensity of the wax products and make the surface gloss.
7. In the textile, it can improve the sewability and fabric cutting performance, extend the useful life of the cutting machine.
8. It can be emulsified in papermaking, printing and dyeing and other industries.

Packing & Storage

Paper-plastic compound bag or PP woven bag, net weight: 25Kg/bag.

Non-dangerous goods, please keep away from fire and strong oxidant.