

## Low density oxidized polyethylene Wax

### Brief

**SAVOX BW300** is low density oxidized polyethylene wax. It is homo polymer of polyethylene with specially oxidized for uniformity.

**SAVOX BW300** enhances the quality and consistency of substances in many end formulations, improve physical and thermal properties, processing ability and appearance of products.

**SAVOX BW300** finds application in PVC industry, this is suitable for PVC products to increase plasticizing time and improve the later demolding.

It is used as a pigment dispersing agent for color master batches. It can be emulsified for use in aqueous application like textile, lubricants, coatings and inks. It is also used in solvent borne coating as a rheological aid.

### Key Benefits in Each Application

▶ PVC	<ul style="list-style-type: none"> <li>- Improve flow ability</li> <li>- Improve productivity</li> <li>- Reduced energy consumption</li> <li>- Waste reduction from unstable plastic flow.</li> </ul>
▶ Plastic processing aid	<ul style="list-style-type: none"> <li>- Improved rub/abrasion resistance</li> <li>- Improved surface slip</li> </ul>
▶ Hot melt adhesive	<ul style="list-style-type: none"> <li>- Adjusted open and set time</li> <li>- Enhanced heat resistance</li> <li>- Reduced viscosity for improved wettability</li> </ul>
▶ Rubber processing	<ul style="list-style-type: none"> <li>- Improve productivity</li> <li>- Improved particles dispersion</li> <li>- Reduced viscosity</li> </ul>
▶ Printing ink, paint and coating	<ul style="list-style-type: none"> <li>- Improved rub/abrasion resistance</li> <li>- Improved surface slip</li> </ul>
▶ Color/filler master batch	<ul style="list-style-type: none"> <li>- Improved pigment dispersion in plastic</li> <li>- Higher pigment/filler load - Increased color strength</li> </ul>

### Typical Properties

Property	Unit/Test	Value
Physical Form	-	Off White to yellowish flakes
Density at 25 °C	g/cc	0.93 to 0.94
Acid Number	mg KOH/gm	13 to 17
Drop melting Point	°C	99 to 101
Needle Penetration at 25°C	dmm	4 to 8
Ring and ball softening point	°C	99 to 101

### Packaging & Handling

#### Delivery form –

Flakes

#### Packaging –

Polyethylene bag 25 Kgs

#### Storage –

For best shelf life, store this product in a dry area at normal ambient temperatures.

Minimum shelf life is 2 years from the date of manufacturing when properly stored.

#### Disclaimer

The information and claims mentioned in this data sheet are given in good faith and believed to be accurate as per the test protocols mentioned. However, no representation or warranty to its correctness and completeness is made. Suggestions for uses and recommended dosages are also the opinions based on our existing information. Users are recommended to decide the suitability of this product for their intended application.