

High density oxidized polyethylene wax

Brief

SAVOX BW316 high density oxidized polyethylene wax homo polymer are manufactured by Savita Oil Technology Ltd. It is hard, high drop point, high density in powder form.

SAVOX BW316 enhance the quality and consistency of substances in many end formulations, improve products physical and thermal properties, processing ability and appearance.

SAVOX BW316 use in waterborne coatings and inks, overprint varnishes, polishes and textiles to improve surface properties including mar and abrasion resistance by lowering the coefficient of friction.

In PVC industry, this is suitable for PVC products to increase plasticizing time and improve the later demolding. It is also suitable for PVC foam board, PVC advertising board, PVC transparent sheet, PVC transparent film, PVC high calcium products, PVC floor and other products.

Key Benefits in Each Application

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

Typical Properties

Property	Unit/Test	Value
Physical Form	-	White Powder
Density at RT	g/cc	0.97 – 0.99
Viscosity, kinematic at 150°C	mm ² /s	7500 - 8500
Flash point, COC	°C	>250
Meting Point	°C	>130
Acid Number	mg KOH/gm	16 - 24
Needle Penetration at 25°C	dmm	<1

Packaging & Handling

Delivery form –

Powder & 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 form 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.