

CWAX 330

PE Wax, also known as Polymer wax, short for Polyethylene Wax, is widely used because of its excellent property of cold / heat / chemical and abrasion resistance. In normal production, this part of wax can be directly added to the polyolefin processing as an additive; it can increase the gloss and processing performance.

Properties:

Item	Standard Value(s)	Test Method
Physical Form	Waxy Flakes	Visual
Colour	White	Visual
CAS No.	9002 88 4	-
Melting Point, °C	105±5	ASTM E28-97
Drop Point, °C	106±3	ASTM D127
Moisture Content	Less than 0.5%	-
Oil Content	Less than 1%	ASTM D721
Penetration 100 gms @ 25 °C	5±1 dmm	ASTM D1321-02a
Viscosity @ 140 °C	15±5 cP	ASTM D3236
Density, g/CC	0.90±0.2	ASTM C693
Heat Stability @ 150 °C	No Change in Colour	Visual
Molecular Wt. (GPC)	1800±20%	LS-101/15
Acid Value	NIL	ASTM D1386-15
Flash Point	Open cup 220±5 °C	-
Odour	Passes	Visual

Packing: 25 KGs BOPP bag with Inner lining or according to customer's requirements

Storage: Keep in dry, cool & shaded place with original packing, avoid moisture, store at room temperature. Shelf life is 24 months.

Application:

1. **PVC-** Acts as a dispersant, lubricant & brightener in PVC Profile, pipe, pipe fitting, foam board, WPC products etc. It has a good late-period lubricating ability & will bring gloss in the appearance & lower processing torque.
2. **Masterbatch-** Used as an efficient dispersant in masterbatch, filler masterbatch, modified masterbatch & functional masterbatch. It makes the products inorganic components & pigments disperse better since it is an excellent external & internal lubricant.
3. **PVC Stabilisers-** In PVC processing, PE wax is used as both an internal and external lubricant. It aids in: Reducing viscosity, preventing adhesion to processing equipment, Enhancing the thermal stability of PVC formulations.
4. **Release Agent-** PE wax is used as a mold release agent in injection molding, extrusion, and other molding processes. It prevents the finished plastic parts from sticking to molds, which: Facilitates easier demolding & Reduces defects and damage to parts.
5. **Modifier for Polyolefins-** Adding PE wax to polyolefin resins (like polyethylene and polypropylene) can modify their properties, such as: Increasing hardness, enhancing abrasion resistance & Improving scratch resistance.
6. **Hot Melt Adhesives-** Used to better adjust the productivity, viscosity & hardness. Improves adhesive strength, enhances thermal stability & gives better resistance to heat and chemical exposure.
7. **Paint-** Used in paint, coating, road marking paint where its main performance is heat resistance, deforming, leveling, anti-settling & dispersion. It can increase the products surface hardness, wear resistance & anti-smearing properties.
8. **Rubber-** Used as rubber processing auxiliaries, enhances diffusion of fillers, improves extrusion rate, increases flowability of the mold, easy mold release, improves product surface brightness & smoothness after stripping off from the mold.
9. **Surface Coatings and Inks-** PE wax is incorporated into surface coatings and inks to: Improve abrasion resistance, enhance slip and anti-block properties as well as provide a matte finish.