

PE WAX

Technical Datasheet

Product Information: Polyethylene Wax is used in injection and blow molded toys, housewares, lids, injection molded car seats, Hot melt coating for paper, additive in cast moldings, candles, oil-based inks and hot melt adhesives. It is also used as an additive, lubricant in rubber processing, extrusion and calendaring aid for PVC and dispersing aid for color concentrates. Bearings, gears, bushings and other moving parts.

Chemical Name	POLYETHYLENE WAX	
Grade Name	PE WAX	
CAS No.	9002-88-4	
EINECS No.	200-815-3	
Molecular Formula	C ₂ H ₄	
Synonyms	• Polyethylene Homopolymer Wax • GREX • POLYETHYLENERESINS	
TEST	SPECIFICATION	METHOD
Appearance	White Powder	ByVisual
Viscosity@ 149 c	25.0	ASTM D 3236
Density	0.94 g/cm ³	ASTM D 1505
Dropping Point	115°C	ASTM D 3954
Penetration Index	0.8	ASTM D 1321
Whiteness Index (WI)	54	ASTM E 313
Melting Point	100-120 °C	-

Product Applications:

1. PE-wax can be used as resin modifier and mold release agent in adhesive and polymer industry due to its molecular structure, which enables it to outperform natural waxes.
2. PE-wax can be used as a slip agent and dispersant in ink industry, it can be also used in lip cosmetics and hair styling composition.
3. PE wax increase inorganic and organic pigment dispersion in matrix polymer during masterbatch processing.

Product Benefits:

1. PE-wax is an excellent and consistent ingredient for end formulations to improve product physical appearance and thermal properties.
2. PE wax decreases the friction and increases the extrusion capacity.
3. PE wax has got good oxidation resistance

Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration: It is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drug

Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)

Subchapter: B - Food For Human Consumption (Continued)

Part: 175 - Indirect Food Additives: Adhesives And Components Of Coatings

Subpart: C - Substances For Use As Components Of Coatings

Section: 175.300 Resinous And Polymeric Coatings.

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Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)

Subchapter: B - Food For Human Consumption (Continued)

Part: 178 - Indirect Food Additives: Adjuvants, Production Aids, And Sanitizers

Subpart: D - Certain Adjuvants and Production Aids

Section: 178.3850 Reinforced wax.

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleges negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended.