

Technical Data Sheet PE WAX NV-438P

Product Description:

NV-438P is a mid to high-end synthetic wax. It has excellent thermal stability, excellent dispersion flowability, and excellent lubrication performance. Good lubricity, dense and neat cross-section of the master batch, and good mechanical properties. It has a good wetting effect on inorganic powders such as calcium carbonate, talc powder, barium sulfate, and sodium sulfate. The equipment mouth mold will never have any precipitates, and the surface brightness of downstream products (blow film, wire drawing) is good. Low molecular weight increases the lubricity of the filler, improves the uniform dispersion of the filler during processing, and enhances the flowability of the processing masterbatch.

technical parameter

quality index	appearance	Particle size (20mesh)%	viscosity (CPS@140°C)	density g/cm ³	Shore hardness ShoreA	softening point °C	Thermal weightlessness (@200°C/2H) %
quality requirement	White powder/tablet	99	200 ± 50	0.92	92	110 ± 3	4

Application Description

Application scope	Application suggestions	Product characteristics
Hot melt adhesive/adhesive	It is recommended to reduce viscosity by 20-30% and adjust the setting time of polyolefin and EVA matrices.	Low viscosity Excellent heat resistance and thermal stability High hardness Excellent chemical resistance Good compatibility with other waxes Good lubrication performance Excellent pigment wettability Excellent dispersion performance
PVC (products/composite materials)	It is recommended to use 0.5-1.5% as a metal mold release agent for PVC processing.	
Color masterbatch	Suggest using 5-30% to improve the dispersion of pigments in polyolefin matrices	
Thermoplastic road marking paint	To reduce the viscosity of hydrocarbon resin base, it is recommended to use 1-3%	
Plastic additives	It is recommended to use 5-8% to improve the dispersion of fillers in polyolefin matrices	
Rubber products	Recommend 2-10% to improve processing performance and additive dispersion.	
Cable filling composite material	Suggest 5-10% to improve the performance of the moisture-proof layer.	
Other fields	Suggestions based on specific requirements	

Packaging and Storage

Product packaging: 25kg/bag, standard packaging 1 ton/pallet

The product should be stored in a dry and dust-free location with a temperature below 50 °C, and protected from direct sunlight, away from sparks, and in a well ventilated area. It should be stored separately from oxidants and edible chemicals, and should not be mixed, as this may lead to quality degradation, color and odor changes, and may affect the physical properties of the product



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