

## Technical Data Sheet PE WAX NV-421P

### Product Description:

NV-421P is a synthetic wax suitable for medium to high color masterbatches and wood plastics. High softening point, low viscosity, high molecular weight, low heat loss, and strong external lubrication effect. Compared with ordinary conventional polyethylene wax, it can delay plasticization and reduce torque. It is easy to disperse and improves the glossiness of the product. Good compatibility, anti precipitation. Good demolding performance, good metal stripping performance, and long continuous production time. Good thermal stability in the later stage, free from oligomers, paraffin, etc. No precipitation, no migration. Environmental protection, through ROHS and heavy metal detection.

### technical parameter

quality index	appearance	Particle size (20mesh)%	viscosity (CPS@140°C)	density g/cm <sup>3</sup>	Shore hardness ShoreA	softening point °C	Thermal weightlessness (@200°C/2H) %
quality requirement	White powder/tablet	99	50	0.91	92	105± 3	5

### Application Description

Application scope	Application suggestions	Product characteristics
PVC (products/composite materials)	It is recommended to use 0.5~1.5% as a metal mold release agent for PVC processing.	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
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 a 5-8% method 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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