

Technical Data Sheet OPE WAX NV-602P

Product Description:

NV-602P is a low-density oxidized polyethylene wax. It has excellent internal and external lubrication, improves the dispersion of colorants, good luster, and improves production efficiency. Mainly used in the extrusion and rolling of plasticized PVC. It has good hydroxyl functional group and can be well emulsified. It is suitable for water-based and oil-based products. It can produce high-performance coatings, anti wax slurry, wax lotion, etc. It is the printing color paste of textile smoothing agent (denim and other materials). Used for products such as floor polishing wax and polishing oil. Fruit preservation coating. Used as a lubricant in the production of PVC products.

technical parameter

quality index	appearance	Particle size (20mesh) %	viscosity (CPS@140°C)	density g/cm ³	Shore hardness ShoreA	softening point °C	Acid Value
quality requirement	White powder	99	200±50	0.93	95	105±3	14-15

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.	Moderate melting point Moderate 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
Waterborne wax lotion	It is recommended to add 5~50% acid value of about 16, which is easy to emulsify into wax lotion.	
Solvent based coating	Suggest using 1-3% to improve wetting rheology.	
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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