



Nano Composite

To lead a revolution of PVC edge banding production!



This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. The quality of our products is guaranteed under our General Conditions of Sale.

NANO COMPOSITE VNCT-39

NANO COMPOSITE VNCT-39 is our newly developed material specialized for PVC edge banding and PVC buckle strips production. It largely simplifies the edge banding and PVC buckle strips production process by replacing almost all additives including stabilizer, CPE, stearic acid, PE wax and processing aid and partly replaced plasticizer as well. Nano Composite is not a mix of the materials but a new technology based our R&D of PVC edge banding production with long time of lab test, site test and final product edge banding/trip test, as well as numbers of edge banding manufacturers application prove.

NANO COMPOSITE VNCT-39 is widely applied to almost all traditional formulations of PVC edge banding/PVC buckle strips production and extrusion machines. In spite of its strong property of 6 additives combination, it also helps improve edge banding final softness and fine trimming color performance. And its dosage is largely reduced not only from the additives kinds but also from its quantity.

To meet the different environmental needs of customers, we have developed two models, the general model one CT-39G and the environmental model CT-39H.

Take one of the most usual adopted formulation in PVC edge banding production for example: PVC :Calcium=2:1

| Method | Ratio | PVC | CaCO3 | PE wax | ACR | CPE | Stearic acid | Stabilizer | DOP |
|-----------------|-------|------|-------------------------|----------------------|-----|-------|--------------|------------|-------|
| Traditional way | 2:1 | 50kg | 25kg | 0.5kg | 1kg | 3.5kg | 0.4kg | 3.0kg | 3kg |
| VNCT-39 | 2:1 | 50kg | 25kg (light calcium) | 4.8kg Nano Composite | | | | | 1kg |
| VNCT-39 | 2:1 | 50kg | 25kg (heavy calcium) | 3.8kg Nano Composite | | | | | 1.5kg |

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Traditional way: need additives 5 kinds, 8.4kgs.

Calculating PVC, Calcium, pigments and DOP, 9kinds, staffs need to weight 6 materials and keep precise to grantee same as formulation.

To apply VNCT-39, need additive 1 kind, 4.8kg or 3.8kg depend on your calcium type.

Calculating PVC, Calcium, pigments and DOP, 5kinds, more easier for staff to weight and largely improve the precision of compounding.

To improve the trimming color performance, calcium fineness ≥ 1250 mesh is suggested.

Dosage can be adjusted 5%-10% lower than the suggested dosage which mainly depends on machine plasticizing ability and calcium fineness.

Characteristics:

1. High thermal stability and high ductility.
2. Easy to operate and proper to all machines models.
3. High cost performance, save storage space and labor costs.

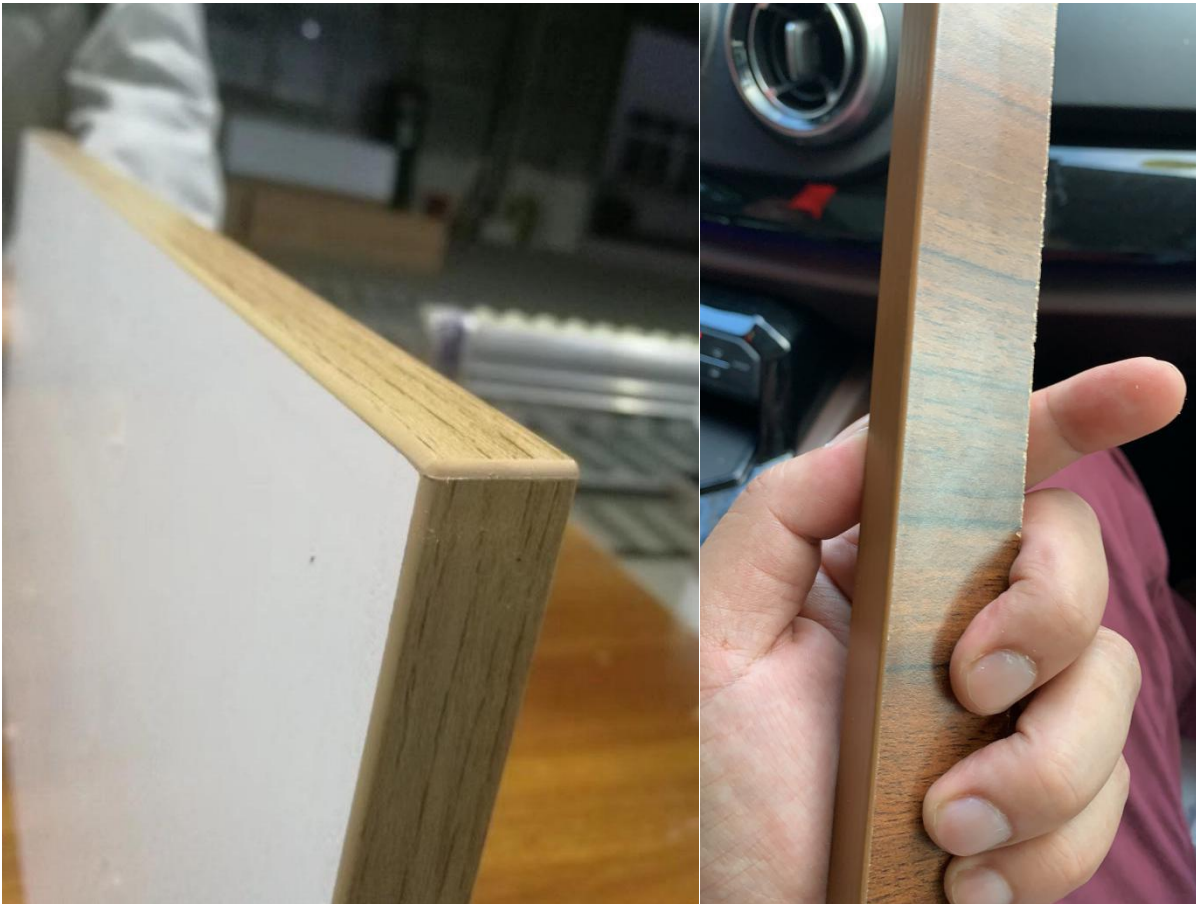
Package:

Plastic paper bag packaging with inner bag, 25kg/bag.

Storage:

12 months in its original package at room temperature ($<35^{\circ}\text{C}$), in cool and dry environment, protected from light, heat and humidity sources.

NANO COMPOSITE VNCT-39 Application Effect



PVC:HEAVY CALCUIM 1:1



PVC:NANO CALCUIM 1:1

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NANO COMPOSITE VNCT-39 Application Effect



PVC:NANO CALCUIM 3:2



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