

The technical description of our foam slat:

1. **MATERIAL:** PVC material for 2” foam slat, valance, and bottom rail is used by Nan Ya Plastics Corporation which is largest plastic company in the world. Its quality is better than other PVC companies, so the price is higher than other PVC companies. The following illustration is 100% PVC powder has how many percentage of stone powder (calcium carbonate powder).

Raw Material Rate	Nan Ya Plastics Corporation	other PVC companies
PVC powder	100%	100%
Stone powder	10%	30-50%
The price of stone powder is about USD\$0.5 per kg. The price of PVC powder is about USD\$2 per kg.		

The stone powder is calcium carbonate, plastic is very soft so people will add some stone powder to increase hardness. However, some people will add too much stone powder in the PVC slat because stone powder is very cheap and manufacturer can reduce the cost, but too much stone powder will be easily embrittlement, and also the powder will run out on the surface of PVC slat when people use for a while.

2. **PRODUCTION:** the process of making foamed slat/blind is using two twin screws extruders to make slats together ( that called CO-EXTRUSION ). The color inside is as same as the color outside, so it looks natural like a wood. The advantage is we can add special material in another extruder to make our slat have additional functions. To let our slat is better than general slats ( which usually made by single screw extruder ). Even if to scrape the surface of slats by your fingernail, it does not easy to have a mark. Plus, we special manufacture on the surface of our slat/blind system, it can keep clear automatically. Even we process our slat by special water to prevent dirty stuff adhered.

3.

	SINGLE EXTRUSION	CO-EXTRUSION
To resist UV	NO	YES
To prevent discoloration	NO	YES
To prevent bowing	NO	YES
To prevent deformation	NO	YES

To increase the surface hardness for foam PVC	NO	YES
To prevent dirty stuff adhered	NO	YES

QUALITY: Usually, manufacturers only use one extruder to produce PVC slats because of the cost down. We use second extruder to cover the PVC slat because we can add special material to resist UV, so our slat can prevent discoloration, bowing, deformation and increasing surface hardness. Also, our special water to prevent the dirty stuff to adhere on the surface of PVC slat. You can see our pictures as follow; the centre extruder produces PVC slat, and we have one more extruder on the left to cover.

PS. Please do not ask us what are special material and special water because we need to prevent other people copy.

The following is the process of our slat:



(the centre extruder produces PVC slat, and we have one more extruder on the left to cover.)



( using two  
twin screws extruders to make slats together.)



( The color  
inside is as same as the color outside, so it looks natural like a real wood)

The following is our video of PVC foam slat production and to upload to the  
You Tube.com:

<http://www.youtube.com/watch?v=jIDVvJvvSII&feature=related>

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