

## Melamine Material Spec Sheet

- A. Melamine is combined with Melamine-Formaldehyde Resin and some fiber material and made in powder state. Mainly for mould press.

It is mixed with high-density wood fiber liquid, after the reaction, mixed, drying and break, and coloring, separated and packing to make heat resistance product. It is been widely used in dining ware, appliance and other daily product.

B. Characteristic

1. Can easily apply color
2. Not toxic or without any smell
3. Durable
4. Heat resistance, acid resistance, and resistance to any kind of chemical
5. Good material to stop conduct of electricity

C. Specification

1. Weight ratio 1.48-1.50
2. Shrinkage 0.4-0.7%
3. Absorb water 0.3-0.6%
4. Bending strength 11-13 kg/mm<sup>2</sup>
5. Breaking strength 2.5-3.5 kg.cnm/cm<sup>2</sup>
6. Electric resistance 11.0 minute Kv/mm
7. Heat resistance 125C for 2 hour Good
8. Electric
9. Inflammable good
10. Bendable 120-150
11. Acid resistance 10 minute good
12. Anti-organic compound good

D. Process

Temperature 150-180C  
Pressure 100-300  
Hardness speed 20-50 sec/mm

E. Storage

Store in 30C and humidity 50%. Can keep for 1 year period

F. This product pass SGC standard

G. Molecular formula