



烟台优联新材料有限公司

YANTAI YOLIAN ADVANCED MATERIALS CO.,LTD

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Indoor Chemical Matt Hardener

YL-68

(Equivalent to Vestgon B68)

1.Description:

Matting hardner M68 is a composed salt of cyclic-amidine and multi-acid. When the double curing group in the molecular structure is cross-linked with the epoxy resin, the different curing rates generate uneven shrinkage, thus forming a flat and dense matte coating film.

2.Specification:

Appearance	Fine white powder
Purity	$\geq 90\%$
Melting range	200-230°C

3.Application:

It is used for pure epoxy resin, epoxy\polyester hybrid powder coatings to achieve matting surface with excellent mechanic quality and wonderful appearance.

4.Reference formulation:

Gloss 60°(%)	5-6	20	40	70
Epoxy resin(E-12)	54.5	39.7	35.7	31.8
Polyester (acidity:25-35mgKOH/g)	/	14.8	20.8	26.7



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YL-68	5.0	5.0	3.0	1.0
Filler(BaSo4, CaCo3)	40	40	40	40
Leveling agent(H-8588)	0.5	0.5	0.5	0.5
Carbon black	0.5-1	0.5-1	0.5-1	0.5-1

Curing condition: 180°C 20-25 minutes /190°C 10-12 minutes / 200°C 8-10minutes

5.Notice:

YL-68 Matt hardener's compatibility with resin isn't well for its high melting point, then it's necessary to disperse YL-68 with other materials well or to make the curing temperature higher($\geq 100^{\circ}\text{C}$),or extrude for some more times to avoid of it. Because YL-68 is easy to be yellowing in white powder coating, then use it with care or use the physical matting agent supplied by our company in high whiteness powder coating.

6.Package & Storage:

- (1). Package: 20kgs/ Kraft paper bag lined with polyethylene bag.
- (2). Store in a cool and dry place to avoid contacting other chemical products. Seal tightly after using. As this product is irritant to respiratory tract, please wear dustproof mask and glove when operating.
- (3). Validity will be 1 years under normal temperature.