



黄山市德邦粉体材料有限公司
TECH-POWER(HUANGSHAN) LTD.

TP68 Matt Hardener (Equivalent to Vestgon B68)

Description

Matt Hardener TP68 is a composed salt of cyclic-amidine and multi-acid. It utilizes the two different reaction rates of group in molecular structure, and during the curing process, it generates nonuniform shrinkage then forms the matt surface. It has both gloss decreasing and curing functions Matt Hardener TP68 is a composed salt of cyclic-amidine and multi-acid.

Specification

Appearance	Fine white powder
Purity	≥ 90%
Melting range	200-230°C

Application

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

Reference formulation

Gloss 60°	5-6	20	40	70
Epoxy(663U)	54.5	39.7	35.7	31.8
Polyester(acidity:25-35mgKOH/g)	/	14.8	20.8	26.7
TP68	5.0	5.0	3.0	1.0
Filler(BaSo4, CaCo3)	40	40	40	40
Levelling agent	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

Notice

Matt hardener compatibility with resin isn't well for its high melting point, to avoid this default it's necessary to distribute them or to make the curing temperature at a higher level. In case of epoxy\polyester hybrid powder coatings, the polyester should be low acidity. Before achieving the ideal gloss and multiple characteristics tests are needed.

Packaging & Storage

1. 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.
2. Package: 25kgs/polyethylene-lined kraft paper-plastic compound bag.
3. Validity will be 1 years under normal temperature.