

Curing Agent T105M

I Description

T105M distinguishes itself from T105 by containing certain degassing ingredient. It's suitable for outdoor polyester powder coatings, and characteristic of low toxicity (1/20 of TGIC), no corrosion, no flammability, no irritant to skin, good weather durability, etc. The chemical structure of T105M is β -hydroxyalkylamide.

Less Benzoin is needed in the formulation while the surface obtained is less yellowing with good

II Technical data

T105M	Test Method	Specification
Appearance	Visualization	White powder
Hydroxyl equivalent	GB/T 12008.3-2009	100±2 g/eq
Solid Content	GB/T 1725-2008	99.0%min

III Application

- 1 T105M must react with proper polyester resin, such as P855 & P865 from DSM, CC2630-2 from Allnex(CC7630 ex-Cytec), P9337 from Sino-French, CE3099 from TianSong.
- 2 For polyester with acid value of 30~35 KOH/g, Dosage of T105 is 7~8%.
- 3 Baking Condition: 180°C/15min, or 190°C/10~12min.
Extruding temperature: 115~120°C.

IV Recommended Formula

S.N	RM		Supplier	F1
1	CC2630-2	Polyester Resin	Allnex	280
2	T105M	Curing Agent	SSC	21
3	GLP588	Leveling Agent	SSC	5
4	Benzoin	Degassing Agent	SSC	2
5	NTR760	TiO ₂	Pigment	120
6	W-44HB	BaSO ₄	Filler	72
Total				500
Gloss			60°	95.4%
Thickness			μm	60-80
Impact(Direct/Reverse)			kg.cm	50

V Package, Storage & Handling

Available in polyethylene-lined, multi-ply paper bags, N.W. 25KGS/Bag.

Store in closed containers; avoid contact with skin and eyes; wear dust mask when operating.

