

## Curing Agent T105

### I Description

Curing Agent T105 is suitable for the production of outdoor polyester powder coatings. It's characteristic of low toxicity, no irritant to skin, good weather durability, etc. The chemical structure of T105 is  $\beta$ -hydroxyalkylamide.

### II Technical data

T105	Test Method	Specification
Appearance	Visualization	White powder
Melting range	GB/T 617-2006	120~130°C
Hydroxyl equivalent	GB/T 12008.3-2009	82±2 g/eq
Solid Content	GB/T 1725-2008	99.0%min

### III Application

- T105 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.
- For polyester with acid value of 30~35 KOH/g, Dosage of T105 is 5~6%.
- 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	<b>T105</b>	<b>Curing Agent</b>	SSC	15
3	GLP588	Leveling Agent	SSC	5
4	Benzoin	Degassing Agent	SSC	2
5	NTR760	TiO <sub>2</sub>	Pigment	120
6	W-44HB	BaSO <sub>4</sub>	Filler	78
<b>Total</b>				500
<b>Gloss</b>			60°	95%
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.

