

## Matt Hardener XG628

### I Description

Matt Hardener XG628 is made for outdoor powder coatings. It has good weather durability, and can be applied in TGIC/polymer system. It is suitable for 10~40% gloss (60°) range finishes.

### II Technical data

XG628	Test Method	Specification
Appearance	Visualization	White powder
Particle Size	GB/T 21782.13-2009	350 mesh
Solid Content	GB/T 1725-2008	99.0%min

### III Application:

- 1 Dosage of XG628 is 3~7%. Adding extra TGIC with the amount of 10% of XG607B will help to obtain 10~50% gloss (60°) at lowest.
- 2 Extra TGIC is needed because it reacts both with polyester and XG628. Say the polyester acid value is around 30~35mgKOH/g, the ratio of polyester: TGIC: XG628=93:(7+X):X. P9336 from Sin-French, P5201 from DSM and CE2098 from TianSong give quite good matt and flow effect.
- 3 Add certain Benzoin & HCO(Hydro-genated Caster Oil) may help to improve film fullness.
- 4 Baking Condition: 190°C/15min, or 200°C/12min.  
Extruding temperature: 120~130°C.

### IV Recommended Formula

S.N	RM		Supplier	F1
1	P9336	Polyester Resin	Sino-French	280
2	<b>XG628</b>	<b>Matt Hardener</b>	SSC	20
3	TGIC	Curing Agent	NiuTang	41
4	GLP588	Leveling Agent	SSC	5
5	Benzoin	Degassing Agent	SSC	2
6	W-44HB	BaSO <sub>4</sub>	Filler	52
7	NTR760	TiO <sub>2</sub>	Pigement	100
			<b>Flow</b>	Smooth & Clean
			<b>Total</b>	500
Gloss			60°	15%
Film Thickness			µm	60-80
Impact(Direct/Reverse)			kg.cm	40

\*Baking Condition: 190°C/15min

### V Package, Storage & Handling

Available in polyethylene-lined, multi-ply paper bags, N.W.25KGS/Bag.  
Keep in the cool and dry place, keep away from fire.

