

## Matting Agent XG607C

### I Description

XG607B is a kind of composite matting agent. It provides good mechanic property and excellent matt effect in polyester powder coatings. It can obtain lowest 10% gloss in TGIC system (PE 93/7 or 94/6).

### II Technical data

XG607C	Test Method	Specification
Appearance	Visualization	White powder
Softening Point	GB/T 4507-1999	110~150 °C
Solid Content	GB/T 1725-2008	99.0%min

### III Application:

- Dosage of XG607C is 1~6%. Adding extra TGIC with the amount of 10% of XG607B will help to obtain 10~50% gloss (60°) at lowest.
- 93/7 or 94/6 TGIC system polyesters are preferred. Polyesters of low viscosity and low reactivity can help for better flow and matt effect (such as P5900, P4900, P4600 from DSM, P9336 from Sino-French, CE2077 from Tiansong, and SJ4ET from ShenJian).
- It is not recommended to add catalysts such as imidazole in the formula to improve the impact properties, as which may lead to gloss and flow fluctuation. .
- Baking Condition: 190°C/15min, or 200°C/12min.

### IV Recommended Formula

S.N		RM	Supplier	F1	F2	F3	F4	
1	P4900	Polyester Resin	DSM	280	280	-	-	
2	SJ4ET	Polyester Resin	ShenJian	-	-	280	280	
3	TGIC	Curing Agent	NiuTang	20.5	20.5	23.5	23.5	
4	<b>XG607C</b>	<b>Matting Agent</b>	SSC	25	25	25	25	
5	GLP588	Leveling Agent	SSC	5	5	5	5	
6	Benzoin	Degassing Agent	SSC	2	2	2	2	
7	BLC701B	Leveling Additive	SSC	4	4	4	4	
8	NTR760	TiO <sub>2</sub>	Pigment	100	-	100	-	
9	C	Carbon Black	Pigment	-	3	-	3	
10	W-44HB	BaSO <sub>4</sub>	Filler	63.5	160.5	60.5	157.5	
<b>Total</b>				500	500	500	500	
Gloss				60°	15.3%	14.7%	16.6%	14.4%
Film Thickness				µm	60-80	60-80	60-80	60-80
Impact(Direct/Reverse)				kg.cm	50	50	50	50

\*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.

