

Matting Agent XG620A

I Description

XG620A is a kind of compound matting agent for Hybrid system. The powder coatings formulated with XG620A has the excellent impact properties, flowing and yellowing resistance. The application of XG620A to the 50/50 or 60/40 resin could decrease the gloss effectively.

II Technical data

XG620A	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:

- The dosage of XG620A is 1~4%. Esp. suit for smooth matt finishes with 5~15% gloss (60°).
- As the gloss is connected with the resin used, the formulation should be tested in lab first. Coatings formulated with DSM P6060 & P2620, ShenJian SJ3#B can provide lower gloss and good impact properties.
- 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
1	E-12	Epoxy Resin	SSC	140	140
2	3#B	Polyester Resin	ShenJian	140	-
3	P2057	Polyester Resin	WanAn	-	140
6	XG620A	Matting Agent	SSC	20	20
7	GLP588	Leveling Agent	SSC	5	5
8	BLC701B	Leveling Additive	SSC	4	4
9	Benzoin	Degassing Agent	SSC	2	2
10	C	Carbon Black	Pigment	3	3
12	W-44HB	BaSO ₄	Filler	186	186
Total				500	500
Gloss			60°	3.0%	2.5%
Film Thickness			µm	60-80	60-80
Impact(Direct/Reverse)			kg.cm	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.

