

Matting Agent XG640K

I. Description:

XG640K is acrylic resin based compound matting agent. It is characteristic of stable gloss under different baking environment. The application of XG640K to the 50/50 or 60/40 resin could decrease the gloss effectively.

II. Technical data:

XG640K	Test Method	Specification
Appearance	Visualization	Yellowish powder
Softening point	GB/T 4507-1999	110~150°C
Solid Content	GB/T 1725-2008	≥99%

III. Application

- The dosage of XG640K is 1~3%. It is suitable for 10~30% gloss formulations.
- Lab test is recommended as gloss is related to resin used in the formulation. Coatings formulated with TianSong TS5700, ShenJian SJ3#B can even obtain finish with 5% gloss.
- The highlight of XG640K is its very stable gloss under different baking condition.
- 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 ~ 200°C/12min.

IV. Recommended Formula (190°C/15min substrate temp.)

S.N.	RM		Supplier	F-I	F-II	F-III	F-IV
1	E-12	Epoxy Resin	JinFeng	250	250	200	200
2	SJ3#B (50:50)	P.E.	ShenJian	250	0	0	0
3	TS5700 (50:50)	P.E.	TianSong	0	250	0	0
4	YL6040(60:40)	P.E.	Yongli	0	0	300	0
5	GH1261(60:40)	P.E.	GuangHua	0	0	0	300
6	XG640K	Matting Agent	SSC	30	30	30	30
7	GLP588	Leveling Agent	SSC	10	10	10	10
8	BLC701	Leveling Additive	SSC	8	8	8	8
9	Benzoin	Degassing Agent	SSC	4	4	4	4
10	C	Pigment	-	6	6	6	6
11	W-44HB(BaSO ₄)	Filler	SSC	442	442	442	442
Total				1000	1000	1000	1000
Gloss (60°)				8.7%	7.2%	14.7%	12.4%
Film Thickness (µm)				60~80	60~80	60~80	60~80
Direct Impact (kg*cm)				50	50	50	50

V. Package and storage handling:

Available in polyethylene-lined, multi-ply paper bags, N.W.20KGS/Bag. Keep in the cool and dry place, keep away from fire.

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