

KOTIAN 4212**TECHNICAL DATA SHEET****TPGDA 20% of epoxy acrylate****Description**

4212 is a 2-functional epoxy acrylate containing 20% TPGDA, with fast curing speed, good surface drying, high gloss, high hardness, and good adhesion to various substrates.

Technical indicators

Subject	Criteria
Appearance	Yellowish viscous transparent liquid
Color (Fe-Co)	≤ 3
Viscosity (cps/25℃)	25000-35000(NDJ-79 type viscometer)
Acid value (mg KOH/g)	1.0-2.0
Functionality	2
Refractive index (25℃)	1.534±0.005
Density(g/ml)	1.17±0.02
Package (kg)	220(iron drum)

Suggested applications

Various types of UV coatings for plastic spraying, paper, wood, ink, etc.

Note

- Products should be stored in a low temperature, shabby and drying, ventilated room, seal preservation.
- The storage life at room temperature is 12 months, expired on the check, can still be used.

- This is a low-toxic materials, should avoid contact with skin. Cleanse with detergent once in any touch.

Examples of applications

Roller coating wood primer		Coating Specification		Roller coating of paper varnish		Coating Specification	
4212	34	3000cps/25℃		4212	22	60 sec/coated 4 cups	
2202	23	Paint film performance		4310	30	Paint film performance	
TMPTA	6						
TPGDA	10	Curing speed	Good	TPGDA	22	Leveling (visual inspection)	Good
HEMA	3.5						
Talc	20	Abrasiveness	Good	1113C	12	Adhesion (BAG, 3M tape)	Good
Gas phase SiO ₂	0.3	Adhesion (3M tape)	Good	Photoinitiators	4	Scratch resistance	Good
Photoinitiator	3	Hardness (Mitsubishi pencil)	H	Additives	1	Gloss(60°)	98
Additives	0.2			Toluene	10		

Other related products

1113C	Active amine	Light color, high amine value, high catalytic efficiency, low odor
2202	Polyester acrylate	Good surface drying, good flexibility, strong adhesion
4310	Epoxy soybean oil acrylate	Good leveling, wetting and flexibility