

HE3646E is a thermoset, benzene-free type, solvent-based acrylic resin.

Characteristics

It is used to prepare metallic aluminum powder baking paint, pigmented baking paint, varnish with amino resin.

Delivery form

60% in xylene/isobutanol;

Product specifications

Solid Content:	58.0–62.0%
Viscosity (25°C, NDJ rotational viscometer):	2.5-4.5 Pa.s
Color number	≤ 1# (Fe-Co)
Acid value	6.0-10.0 mgKOH/g
Appearance	clear and transparent

The following items are not required:

flash point	22°C
density (20°C)	0.99-1.03 g/ml

Principal properties

High gloss, good fullness;
Good adhesion;
Good flexibility;
Good recoatability.

Applications

It is used to prepare metallic aluminum powder baking paint, pigmented baking paint, varnish.

Compatibility with resins and solvents

HE3654	+	HE3659	+	xylene	+	2- Butoxyethanol	+
HE1762	+	HE1766	+	trimethy lbenzene	+	CAC	+
HE3746	+	HE5968	+	butyl acetate	+	isobutanol	+
HE3646	+	HE3640	+	cyclohe xanone	+	Methyl ethyl ketone	+

Note: + means soluble/miscible; ○ means partially soluble/partially miscible;

— means insoluble/incompatible.

Reference recipe

baking varnish		diluent	
HE3646E	50	PMA	35
HE1762	20	4-Hydroxy-4-methyl- 2-pentanone	15
BYK306	0.2	butyl acetate	35
E44	4	CAC	10
isobutanol	9.7	isobutanol	5
butyl acetate	11		
PMA	5		

Storage guidelines

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature no more than 30°C. Exposure to direct sunlight should be avoided.

Shelf life

Under above mentioned storage condition, the shelf life of the resin will be 365 days after production.

For more than 365 days, the goods are still owned by ZOHO Company, the company's QC can make the corresponding extension of the shelf life after testing qualified.

Material safety

This product data sheet only applies to the latest version of Material Safety Data Sheet. Any updates to safety-related information that are consistent with legal requirements will only be reflected in the safety data sheet, at the same time the Sheet will be updated and published. Information on current classification and labelling, application and process methods, and more safety-related data can be found in the latest Material Safety Data Sheet.