

HE3790 is a thermoset, solvent-based acrylic resin.

Characteristics

It is used to prepare non-ferrous metal baking paint, electroplating varnish, glass low-temperature baking paint with amino resin.

Delivery form

70% in ethanol;

Product specifications

Solid Content:	68.0–72.0%
Viscosity (25°C, NDJ rotational viscometer):	6.0-9.0 Pa.s
Color number	≤ 2# (Fe-Co)
Acid value	95.0-105.0 mgKOH/g
Appearance	clear and transparent

The following items are not required:

flash point	12°C
density (20°C)	0.99-1.03 g/ml

Principal properties

High gloss and fullness;
Fast drying;
Good chemical resistance;
Good adhesion.

Applications

It is used to prepare non-ferrous metal baking paint, electroplating varnish, glass low-temperature baking paint.

Compatibility with resins and solvents

HE3611	+	HE3654	-	xylene	+	2- Butoxyethanol	+
HE1762	+	HE3659	-	trimethy lbenzene	+	CAC	+
CYMEL 325	+	HE5968	+	butyl acetate	+	isobutanol	+
HE3646 E	-	HE3640	+	cyclohe xanone	+	Methyl ethyl ketone	+

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

— means insoluble/incompatible.

Reference recipe

electroplating varnish		diluent	
HE3790	50	toluene	30
HE1767	23	xylene	30
BYK306	0.2	butyl acetate	10
BYK052	0.1	CAC	15
E-44	5	isobutanol	15
ethylene glycol ether acetate /isobutanol	21.7		

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.