

HE2580 is a thermoplastic, solvent-based acrylic resin.

Characteristics

It is used for one-component self-drying coatings at room temperature. It is suitable for primer for hard plastic shell paint, toy paint, pigmented paint.

Delivery form

55% in toluene/ ethyl acetate /butyl acetate;

Product specifications

Solid Content:	53.0–57.0%
Viscosity (25°C, NDJ rotational viscometer):	10.0- 13.0 Pa.s
Color number	≅ 1# (Fe-Co)
Acid value	0.0-2.0 mgKOH/g
Appearance	clear and transparent

The following items are not required:

Tg	80°C (calculated value)
flash point	-4°C
density (20°C)	0.97-1.03 g/ml

Principal properties

- Excellent chemical resistance;
- Good wettability to pigments;
- Good leveling performance;
- Good weather resistance;
- High gloss.

Applications

It is suitable for hard plastic shell paint, toy paint, pigmented paint.

Compatibility with resins and solvents

HE2574	+	HE2569	+	xylene	+	2-butoxyethanol	+
HE2592	+	HE2562	+	toluene	+	120#	○
HE2582	+	HE2598	+	butyl acetate	+	isobutanol	+
CAB-381-20	+	NC	+	cyclohexanone	+	methyl ethyl ketone	+

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

— means insoluble/incompatible.

Reference recipe

white paint		diluent	
HE2580	50	toluene	15
titanium dioxide	30	isopropanol	20
dispersants	1	butyl acetate	15
butyl acetate	5	isobutanol	15
BYK306	0.3	BCS	10
toluene	7.7	ethyl acetate	25

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.