

HE2553 is a thermoplastic, solvent-based acrylic resin.

Characteristics

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

Delivery form

53% in toluene/butyl acetate;

Product specifications

Solid Content: 51.0–55.0%

Viscosity (25°C, NDJ rotational viscometer): 5.0- 10.0 Pa.s

Color number $\leq 1\#$ (Fe-Co)

Acid value 0.0-2.0 mgKOH/g

Appearance clear and transparent

The following items are not required:

Tg 53°C (calculated value)

flash point 4°C

density (20°C) 0.97-1.03 g/ml

Principal properties

High gloss, fast drying;

Excellent chemical resistance;

Good wettability to pigments.

Applications

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

Compatibility with resins and solvents

HE2574	+	HE2580	+	xylene	+	2-butoxyethanol	+
HE2592	+	HE2560	+	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	
HE25553	55	toluene	15
titanium dioxide	20	isopropanol	20
BYK110	1	butyl acetate	15
butyl acetate	7.7	isobutanol	15
BYK358	0.3	BCS	10
xylene/BCS	13	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.