

HE2460 is a thermoplastic, solvent-based acrylic resin.

Characteristics

It is used for one-component self-drying coatings at room temperature. It is suitable for surface coating of aluminum alloy materials.

Delivery form

40% in toluene;

Product specifications

Solid Content: 38.0–42.0%

Viscosity (25°C, NDJ rotational viscometer): 1.0-3.0 Pa.s

Color number \leq 1# (Fe-Co)

Acid value 0.0-1.0 mgKOH/g

Appearance clear and transparent

The following items are not required:

Tg 60°C (calculated value)

flash point 4°C

density (20°C) 0.97-1.03 g/ml

Principal properties

Good compatibility with polyvinylidene fluoride (PVDF);

Good weather resistance, corrosion resistance and chemical resistance;

Low weight loss rate at high temperatures.

Applications

It is mainly used alone or in combination with PVDF to prepare coatings. It can be used for aluminum alloy decorative board coating, automobile decorative shell paint, home appliance shell 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

Plating cover varnish		diluent	
HE2460	65	isopropanol	30
BYK333	0.3	butyl acetate	15
BYK052	0.1	BCS	15
butyl acetate	17.6	ethyl acetate	40
E-44	5		
20%1/2NC	10		
LubrizolR 2063	2		

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.