# Principle of energy storage luminous powder

How to prepare energy-storing luminescent plastic?
This paper mainly studies the preparation technology and properties of energy-storing luminescent plastic. The colorless and colored energy-storing self-luminous plastics were prepared by using epoxy resin as the carrier, adding long-acting noctilucent powder into epoxy resin to fully mix and adding phenol-4-sulfonic acid to cure.

Does noctilucent powder affect the hardness of energy-storing self-luminous plastics?
The results showed that the red luminescence performance of the energy-storing self-luminous plastics prepared by a certain process had a good degree of recognition,and the amount of long-acting noctilucent powder also had an influenceon the hardness of the energy-storing self-luminous plastics.

What is the hardness of energy storage self-luminous plastics?
The hardness of energy storage self-luminous plastics was between 10-100HA,which was meeting the requirements of medium hardness plastics,and could be further applied to luminous labels.

What is the spectral distribution of blue self luminous plastic?
It can be seen from Fig. 5 that the main wavelength distribution of the spectral value of the blue self-luminous plastic is about 430-540 nm,and the general luminous color is blue. The addition of bright blue element in B4 has little effect on the width of its crest and its light color does not deviate.

What is the spectral distribution of red self luminous plastic?
It can be seen from Fig. 6 that the main wavelength distribution of the spectral value of the red self-luminous plastic is about 580-680 nm,and the general luminous color is red. The addition of bright blue element in R4 has little effect on the width of its crest and its light color does not deviate.

Energy storage water-borne luminous coating The present invention relates to energy storage water-borne luminescent coating. The coating adopts bivalent europium activated strontium ...

A powder coating, energy storage and luminescence technology, which is applied in powder coatings, luminescent coatings, polyester coatings, etc., can solve the problems of abnormal ...

Luminous powder is an early active market of non-radioactive, harmless environmental protection luminous pigments, daylight absorption energy storage, dark light, can repeatedly absorb light, ...

Principle of energy storage luminous coating The coating forms an luminescent coating layer after coated on body surfaces and dried and can store light energy after irradiated by light sources ...

Photoluminescent pigment (luminous powder, long afterglow fluorescent powder)is a kind of light energy

storage powder which can glow in the dark after absorbing various visible light under ...

Luminous light-induced energy storage applications Luminous light-induced energy storage applications photoluminescent pigment Use light-emitting luminescent pigment produced ...

Light-Assisted Energy Storage Devices: Principles, Performance, ... Considering rapid development and emerging problems for photo-assisted energy storage devices, this review ...

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