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Technical data sheet

Luminescent Thermoplastic Paint

一、 Product Description

Product Name: Thermoplastic Glow Paint

Main materials: Photoluminescent pigment, Thermoplastic Resin, etc

二、 Product Principles and Application Fields

This product is made by mixing high-quality luminous powder and thermoplastic resin produced by our company, and is a granular thermoplastic marking powder material.

This product can absorb light during the day and emit light for more than 10-12 hours, non-toxic and harmless, and it has excellent weather resistance. It can be widely used for road markings, greenways, underground parking lots, park trails, and other paths, playing a safety guiding role.

三、 Product Parameters

Luminous colors: yellow green, blue green, sky blue.

Lifetime: outdoor for more than 2 - 3 years.

Density: 1.5-1.7g/cm³

Hot melt temperature: 140-180 degrees Celsius

Luminescence performance :

Sample Name and NO.		Test Item	Test Result	Unit
Night-luminous hot-melt marking paint/ZX251119-C130601	Photopic luminance	Luminous intensity (2min)	3470	mcd/m ²
		Luminous intensity (10min)	1210	mcd/m ²
		Luminous intensity (30min)	460	mcd/m ²
		Luminous intensity (60min)	390	mcd/m ²
		Visibility	120	min

Reference standard: ISO 17398:2004

Excitation conditions: 50 lx using a cool white fluorescent lamp of colour temperature 4300 K for 15 min