



UNITED BOLTEN BEADS

## UNITED BOLTEN BEADS LIMITED

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## 1. Hydrocarbon Resin, Paraffin Wax and Titanium Dioxide for Road Marking Paint

### a. C5 Resins Typical Properties

Item	Color, (50% in Toluene), Ga	Softening Point (R&B)°C	Acid Number (KOH mg/g)	Heat Resistance (3h@180°C), Ga
C5 Resin	3-5	95-105°C	1.0 max	5-7

C5 Resins are m-piperylene based aliphatic resin with a unique combination of light color, low odor and low melt viscosity designed for Hot melt road marking paint.

Outstanding affinity for pigments / Good heat and UV stability

Good fluidity / High drying rate / High abrasion performance

### b. Paraffin Wax

Item	Melting Drop Point, °C	Oil Content, %	Viscosity at 150°C	Volatile at 100°C	Volatile at 150°C
PE Wax	108.8	10.1	1.0 max	0.8	9.54

### c. Titanium Dioxide

## 2. Recommended Formula Of Road Marking Paint

Item	C5 resin	Crude CaCo3	Micro CaCO3	TiO2	Quartz Sand	Beads	DOP	PE	EVA
Ratio (%)	14.5	20	23.3	4	20	15	1.1	1.6	0.5

## 3. Technical Support

Road marking paint formula adjustment

Paint flow ability, compression strength and whiteness testing

## 4. Packaging And Storage

Packaging are available both in 25Kg multi-ply paper bags and 500kg bags.

All resins with a low softening point present a risk of solidifying, which increases in hot weather. Therefore for softening points of less or equal to 100° C, we recommend :

- ★ Avoid storage for prolonged period ;
- ★ Storage in a cool (25° C max), ventilated area, out of sunlight.

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