



C5 Resins for Hot Melt Road Marking Paint

Typical Properties

| Item | UCRP100 | UCRP100L | UCRP100LS | R-1200 | O-1200 |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|
| Color, (50% in Toluene), Ga | 5 | 4 | 3 | 4 | 3 |
| Softening Point (R&B) °C | 98-102 °C | 98-103 °C | 98-104 °C | 99-105 °C | 99-105 °C |
| Wax Cloud Point (max) | 120 | 100 | 100 | 100 | 100 |
| Acid Number (KOH mg/g) | 1.0 max | 1.0 max | 1.0 max | 1.0 max | 1.0 max |
| Melt Viscosity BRF, @200°C, cps | 180-220 | 180-210 | 170-210 | 135-185 | 135-185 |
| Heat Resistance (3h@180°C), Ga | 7.0 max | 6.0 max | 5.0 max | 6.0 max | 5.0 max |
| Molecular Weight (Mw) | ----- | 2,700 | 3,000 | 2,200 | 2,200 |

1. Characteristics

UCRP100, UCRP100L, UCRP100LS, R-1200 and O-1200 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

2. Recommended Formula

| 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

C5 resins 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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