

C5 Resins for Hot Melt Road Marking Paint

Typical Properties

Item	UCRP100L	UCRP100LS	R-1200	Test Method
Color, (50% in Toluene), Ga	4	3	4	ASTM D1544
Softening Point (R&B) °C	98-104 °C	98-104 °C	99-105 °C	ASTM E 28
Wax Cloud Point (max)	100	100	100	BDTM/Q-10
Acid Value (KOH mg/g)	1.0 max	1.0 max	1.0 max	ASTM D-974
Melt Viscosity BRF, @200°C, cps	180-210	170-210	140-200	ASTM D3236
Heat Resistance (3h@180°C), Ga	6.0 max	5.0 max	6.0 max	ASTM D 1544
Molecular Weight (Mw)	2,700	3,000	2,200	GPC

1. Characteristics

UCRP100L, UCRP100LS and R-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 CaCO ₃	Micro CaCO ₃	TiO ₂	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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