



C9 Hydrocarbon Resins for Coating & Printing Ink

Typical Properties

Item	UCL-100	UCL-120	UCL-130	UCL-140	UCH-100	UCH-120	UCH-130	UCH-140
Colour, Gardner (max)	5-6	4-6	4-6	5-6	9-10	9-10	9-12	9-12
Softening Point (R&B) °C	90-105	115-125	125-135	135 min	90-105	115-125	125-135	135-140
Bromine Value (Br cg/g)	25 max	25 max	25 max	25 max	50 max	50 max	50 max	50 max
Acid Number (KOHmg/g)	0.1 max	0.1 max	0.1 max	0.1 max	0.2 max	0.2 max	0.2 max	0.2 max
Melt Viscosity BRF, @200°C, cps	140	180	195	200	80	100	150	-----
Molecular Weight (Mw)	1,300	1,800	2,000	2,100	800	1,400	1,600	-----

1. Grades Suggestion

UCL-100, UCL-120, UCL-130, UCL-140, UCH-100, UCH-120, UCH-130, UCH-140
(As to details please feel free to ask TDS)

2. Characteristics

UCL series resins are pale yellow catalytic-polymerization aromatic hydrocarbon resins obtained from polymerizing unsaturated aromatic olefins and diolefins derived from the process of thermal cracking of naphtha.

UCH series resins are thermo-polymerizing C9 hydrocarbon resin.

3. Technical Advantages

Coating Sector	Printing Ink Sector
Increase gloss and tack	Improve thermal resistance
Water proofing, resistance to acid and alkali	Improve quick setting & Alkali resistance
It contributes to quick dry and hardness	Waterproofing and abrasion proofing of pigment
Solids content increase (dry extract)	Improve gloss

4. Application

Alkyd Enamel, Anti-corrosive coating, Aluminum paint, Varnish, Marine paint, Epoxy ester, Offset ink, Newspaper ink, Letterpress

5. Packaging and Storage

Hydrocarbon resin is 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;

The information in this bulletin is believed to be accurate, but all recommendations are made without warranty since the conditions of use are beyond United Chemical's control. The listed properties are illustrative only, and not product specifications. United Chemical disclaims any liability in connection with the use of the information, and does not warrant against infringement by reason of the use of its products in combination with other material or in any process.