



UNITED CHEMICAL

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班德路  
BINDER

## Hydrocarbon Resins for Rubber Industry

### Typical Properties

Type	C5 Resin			C5/C9 Resin		C9 Resin		CPD/C5
Item	O1102	Q100	UCA100	S2300T	UCA100C	UCH-100	UCH-120	CPD5100
Colour, Gardner (max)	2.5	3.0	5	4	5	10	10	5
Softening Point (R&B) °C	98-102	98-102	97-104	88-92	97-104	95-105	115-125	100-120
Bromine Value (Br cg/g)	-----	-----	-----	-----	30 max	50 max	50 max	90-105
Acid Number (KOH mg/g)	0.10	0.10	0.10	0.10	0.30 max	0.20 max	0.20 max	0.30 max
Melt Viscosity BRF, @200°C, cps	160	230	160-200	35	100 max	80-120	90-130	120 max
Molecular Weight (Mw)	2,050	2,700	2,600	1,200	1,100	-----	-----	1,500

### 1. Grades Suggestion

O1102, Q100, UCA100, S2300T, UCA100C, UCH-100, UCH-120, CPD5100

( As to details please feel free to ask TDS)

### 2. Characteristics

S-2300T is alternate product of ECR373/ECR383 which designed for tire sidewall and tread.

S-2300T improves tire wet grip performance greatly. This resin formulation was developed for Michelin.

CPD5100 resin produced by thermal polymerization of mixed DCPD, aromatic and alicyclic monomers with higher bromine value which can well improve the wetting of Pigments and Fillers.

Q-100 is an alternate product to ESCOREZ 1102 which can bring favorable airtightness and softness to rubber compounding.

UCH series resin is cost-effective C9 resin working as reinforcing filler used in rubber compounding.

### 3. 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 ;

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