

## HYDROCARBON RESIN

### Property & Usage

**SumTac™ Hydrocarbon Resin** is made from petroleum based fractions including aliphatic (C5), aromatic (C9) & DCPD (dicyclopentadiene), or mixtures of these (copolymer). There are two basic categories of hydrocarbon tackifier resins and also name as petroleum resin.

C5 is so named because they are generally polymers of monomers with five carbons. Basic C5 aliphatic resins have Gardner colors between 5 to 9 (from light yellow to light brown) and are mostly used to tackify aliphatic polymers, especially natural rubber, EVA, SIS and APO. It's used mainly in rubber, tyre, road marking paint, adhesive, etc.

C9 is so named because they are generally polymers of nine-carbon aromatic monomers. It's based on aromatic fractions that undergo very little refining prior to the polymerization of the resin. It's usually dark in color within typical Gardner color of 9 to 13 (dark yellow to dark brown). It's used mainly in EVA-based adhesives, contact adhesive for footwear, printing inks, sealants, and paints.

C5/C9 copolymer is mixture of C5 & C9 resin and suitable for rubber & radial tyre.

### Technical Data Sheet

HYDROCARBON RESIN	C5	C9	COPOLYMER
Appearance	transparent granular	transparent granular	transparent granular
Color (Gardner)	5 max.	9 max.	13 max.
Softening point (R&B, deg C)	100 +/- 5	115 +/- 5	105 +/- 5
Acid value (mgKOH/g)	1 max.	1 max.	1 max.
Ash content (%)	0.1% max.	0.1% max.	0.1% max.

### Package & Notes

<b>Package</b> 25kg net kraft polybag	<b>20'FCL load</b> 17mt (680bags)	<b>20'FCL palletized</b> 16mt (640bags)
<b>Chemical Formula</b> C <sub>5</sub> H <sub>8</sub>	<b>CAS Number</b> 64742-16-1/	<b>HS CODE</b> 39111000
<b>Standard</b> HG2231-91	<b>Storage</b> In cool place, avoid fire and high temperature.	

