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Dicyclopentadiene



Dicyclopentadiene, abbreviated DCPD, is the chemical compound with the formula $C_{10}H_{12}$. At room temperature, it is a white crystalline solid with a camphor-like odor. Its energy density is 10,975 Wh/l. Dicyclopentadiene is coproduced in large quantities in the steam cracking of naphtha and gas oils to ethylene.

Chemical Name:Dicyclopentadiene, 1,3-Dicyclopentadiene

Molecular Formula: $C_{10}H_{12}$

Molecular weight:132.20

Typical Properties:

Appearance	Yellowish transparent or ice crystal, can be easily depolymerized to CPD liquid by heat.
Boiling Point	166.0 C
Melting Point	32.9 C
Specific Gravity	0.976(35 C)
Flash Point	2.22 C

Specifications:

Grade	Polymeric Grade	EPDM Grade	Polyester Grade	Low Purity Grade
CPD,%	<=1.0	1.0	--	--
DCPD,%	>=95.0	>=92.0	>=78.0	>=68.0
Water, %	<=0.030	<=0.030	<=0.030	<=0.030
Appearance	Colorless and clear liquid	Colorless and clear liquid	Colorless and clear liquid	Colorless and clear liquid
Color(Pt-Co)	<= 100	<= 150	<= 200	<= 200

Applications: The major use is resins, particularly unsaturated polyester resins. It is also used in inks, adhesives, and paints.

Packing: In bulk. (Isotank or Drum)

Transportation: To be transported as first class dangerous articles, bulk deliveries of tank car.

Storage: Keep away from direct sunlight, heat and fire.