

Coumarone Resin

Properties and Characteristics

Synthetic resins of low molecular weight produced by polymerization of mixtures of unsaturated compounds (primarily indene and coumarone), which have been extracted from the by-products of coal coking (crude benzene) and from the aromatic high-boiling products of petroleum pyrolysis. Fractions containing about 30 percent indene, 15 percent coumarone, and 5 percent styrene are used in the manufacture of coumarone-indene resins. The monomer mixture is polymerized in the presence of boron fluoride, aluminum chloride, or sulfuric acid. Various types of coumarone resins are produced, ranging in color from bright yellow to dark brown and with a melting point between 60° and 140°C.

Specifications

Property	Value		
Appearance Max.(Color number, sample : toluene=1: 1)		Color#5	Color#7
CAS Number		63393-89-5	
EINECS Number		90641-03-5	
Molecular Formula		C ₈ H ₆ O	
Other Names		Coumarone-indene resin;Benzofuranyl-indenyl resin	
Appearance		Yellow or dark yellow solid flakes	
Softening point		110-120°C	90-100°C
PH Min. (mgKOH/g≤)		0.9-1.0	0.9-1.0
Ash%≤		0.075-0.1	0.075-0.1
Heating Loss		1.0	1.0
Viscosity mpa.s (25°C)		220	280

* Executive Standard: Q/BQB 013-2008

Applications

Coumarone Indene Resin has thermoplastic, viscous enhanced (softener). As adhesive resin, viscous agent, softener, widely used in printing, rubber, and paints. It can be applied in coating industry for waterproof, alkali resistance, fireproof products. In rubber industry, such as adhesives, tires, conveyor belt and other products production often as plasticizers.

Packaging

25kg or 50kg/PP woven bag, or according to customer's requirement.

Handling:

Product should not be exposed to strong sunlight or rain and should not be transported with sand, soil, scrap metal, coal, glass or other incompatible materials. Product should not be shipped especially with toxic, corrosive, and flammable substances.

Storage:

Store in a dry and cool place, away from incompatible materials. Shelf life: 1 year.