
Technical Data Sheet

Commercial name: ST- Dicumene

Chemical Name: 2,3-Dimethyl-2,3-diphenylbutane

Synonyms: 1,1'-(1,1,2,2-Tetramethylethylene)dibenzene;

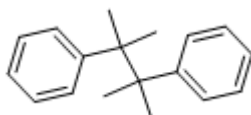
1,1'-(1,1,2,2-Tetramethyl-1,2-ethanediyl)bisbenzene

CAS No.: 1889-67-4

Molecular Formula: C₁₈H₂₂

Molecular Weight: 238.37

Molecular Structure:



Specification:

Appearance: white crystal powder

Content by HPLC : 97% min

Melting point: 116 - 120 ° C

Water content: 0.5% max

Application:

Dicumene - Flame Retardant Synergist in fire-retardant polystyrene,PP,PE,PS,ABS etc,saving brominated flame retardants by 30% to 50%. Especially for EPS and XPS is made fire-retardant by the use of halogen-containing additives such as hexabromocyclododecane (HBCD).

Dicumene is commonly used as synergistic coagents to reduce the amount of HBCD required. Dicumene is well suited to this application as it has sufficient thermal stability at the temperatures used in suspension polymerization. The addition of KEMYL 97 to styrene monomer immediately before the onset of polymerization will not affect the polymerization process.

Dicumene also can be used as a catalyst for polymers Crosslinking or Grafting for Polymer such as PP, PS.....

Storage: Store in a cool, dry, well-ventilate area away from incompatible materials

Packing: 20kg/25kg /bag or Carton Box or as requirement

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