



## EcoFlameRetardant-D-238

### Dicumene

**Chemical Name:** 2,3-dimethy-2,3-diphenylbutane

**Brand Name:** EcoFlameRetardant D-238

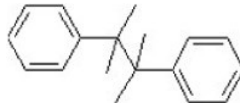
**CAS NO.:** 1889-67-4

**Chemical formula :** C<sub>18</sub>H<sub>22</sub>

**Molecular Weight:** 238.37

**Counter brand:** Perkadox 30(Akzonobel),Nofmer BC

**Chemical Structure:**



#### Property:

Appearance: White to light yellow powder

MP:100-115°C

Purity: 96%(min)(HPLC)

#### Application:

EcoFlameRetardant D-238 is a new, eco-friendly synergistic agent of flame retardant , It is applicable to Polystyrene , Polypropylene and Polyethylene. EcoFlameRetardant D-238 could replace the traditional synergistic agent- Antimony Trioxide which contains heavy metal.

It was widely used in ABS/SAN, Engineering Plastics, GPPS, HIPS, Polystyrene (All Purpose), Polystyrene (Expandable) , PS, PS (High Impact), Styrenic (co)Polymers.

Particularly, EcoFlameRetardant D-238 could be used in EPS with adding level 0.5-1%, that could decrease the dosage of brominate flame retardant additive evidently, such as HBCD. In HIPS direction, the adding level of Dicumene was only 30% of antimony trioxide.

FR-238 was also used in PP and PE masterbatches, act as plastic initiator, grafting agent.

**Packing:** 25/20kg fiber drum or bag.