



# Cloud Chemicals

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## Decabromodiphenyl Ethane C-301

### General Information

Chemical Name: Decabromodiphenyl Ethane

CAS NO.: 84852-53-9

Chemical Formula: C<sub>14</sub>H<sub>4</sub>Br<sub>10</sub>

Molecular Weight: 971.23

### Application

C-301 flame retardant has very good thermal stability and high bromine content making it a prime candidate for high temperature applications. It exhibits good UV resistance and hence is suitable for use in many applications requiring Color stability. Because of its very good thermal stability and low blooming characteristics, It can be used in a wide range of high performance applications. It finds use in styrene polymers, engineering resins, wire & cable and elastomers.

C-301 flame retardant is suitable for use in systems where recycling is anticipated. It is not acutely toxic and teratogenic, no harmful to the environment can be used in the formulation of products meeting European dioxin ordinances.

### Physical & Chemicals Property

Items	Specification	Analysis Result
Appearance	White powder	White powder
Bromine content %	81 min	81.05
Whiteness (ISO)	88 min	91.1
Melting point °C	345 min	345
Volatile %	0.1 max	0.062
Particle size µm	5 max	3.2

### Packaging

C-301 is packed in 25kg paper bag