



# TECHNICAL DATA SHEET

## TOPS FR-88S

### PRODUCT DESCRIPTION

#### TOPS FR-88S

Decahalogen diphenyl Ethane. It is used in high-impact polystyrene, engineering plastics, wires and cables, insulator, elastomer and thermoset plastics etc. HIPS, PE, PP, ABS, PBT, UPE, Epoxy, Polyamide

It is very good thermal stability and high halogen 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, flame retardant is suitable for use in systems where recycling is anticipated.

**TOPS FR-88S** flame retardant is not acutely toxic, it is not teratogenic, and it is not harmful to fish, can be used in the formulation of products meeting European dioxin ordinances.

### TYPICAL PROPERTIES

Appearance .....	white powder.
Bromine % .....	81-82
Melting point °C .....	340 min.
Brightness % .....	87 min.
Free Br ppm .....	10 max.
Particle size(D50) micron .....	5 max.
Volatile % .....	0.1 max.
TGA	
1% weight loss .....	314°C
5% weight loss .....	344°C
10% weight loss .....	359°C
50% weight loss .....	402°C
90% weight loss .....	423°C

These properties are typical but do not constitute a specification either in part or as a whole. Specification data is available on request from sales, customer service or customer technical service.