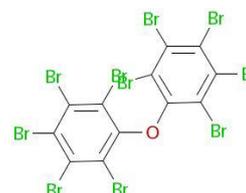


GC DECA 83

Decabromodiphenyl Oxide

Chemical Formula $C_{12}Br_{10}O$
 Molecular Weight 959.17
 CAS registry number 1163-19-5



GC DECA 83 is flame retardant additive with high bromine content and provides a cost effective solution to flame retardant formulations in a wide range of applications. It is used in elastomers, wire & cable, textile coatings, business machines and television cabinets formulations. GC DECA 83 flame retardant is particularly effective in polyolefins, styrenic, polyamide, HIPS, and polyester resins.

PHYSICO-CHEMICAL PROPERTIES

Appearance	White powder		
Bromine Content, %	82 min		
Whiteness, %	93 min		
Melting Point, °C	300 min		
Volatile content, %	0,1 max		
Free bromine content, ppm	30 max		
Particle size, μm	6 max		
Specific Weight, g/cm ³	3,3		
Aluminium content, mg/kg	30 max		
Iron content, mg/kg	10 max		
TGA (10 mg @ 10°C/min under N ₂)	<u>Weight Loss</u>	<u>5 %</u>	<u>10 %</u>
	Temperature	320°C	334°C
			373°C

HANDLING AND STORAGE: The processing and use of GC DECA 83 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

GC DECA 83 has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

PACKAGING: Standard pack size of GC DECA 83 is 25 Kg in plastic bags.

Important note

Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before to use the products, please be informed.

Stop machine with high temperature could create degradation of polymers. Please clean with neutral polymers.

NOTE:

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improper use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.