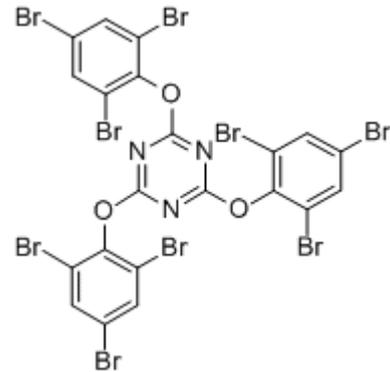


GC FR 245 66

2,4,6-Tris-(2,4,6-tribromophenoxy)-1,3,5-triazine

Chemical Formula $C_{21}H_6Br_9N_3O_3$
Molecular Weight 1067.43 g/mol
CAS Registry Number 25713-60-4



GC FR 245 66 is a brominated and cyanuric acid co-crystallite flame retardant additive used in styrene copolymers such as high-impact polystyrene (HIPS) and Acrylonitrile-butadiene-styrene (ABS) and polyethylene. The combination of aromatic bromine and cyanuric groups provides high FR efficiency and good thermal stability. GC FR-245 66 in addition combines good UV, impact and flow properties. It is non-blooming.

GC FR 245 66 recommended dosage is 10-20%.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	White powder			
Purity, %	min 98.5			
Bromine content, %	66.0-68.0			
Specific gravity	2.44			
Melting point, °C	225-235			
Volatiles, %	0.3 max			
TGA (10 mg @ 10°C/min under N ₂)	Weight Loss	2 %	5 %	10%
(Lit.)	Temperature	360°C	385°C	400°C

HANDLING AND STORAGE:

The processing and use of GC FR 245 66 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

GC FR 245 66 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 FR 245 66 is 25 Kg in plastic bags.

Important note

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Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before using these products, please be informed. Machine stop at high temperature could create degradation of polymers. Please clean with neutral polymers.

DISCLAIMER:

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.