



POLYMER	FR-HALOGENATED
---------	----------------

FR 245	Technical Datasheet
--------	---------------------

Product Information: POLYMER ADD-FR 245 is a brominated cyanurate additive flame retardant. The combination of aromatic bromine and cyanurate provides high FR efficiency and good thermal stability. It is especially valuable because it meets the (UL-94) standard, classV-2 and V-0 ratings.

Chemical Name	FR 245		
Grade Name	FR 245		
CAS No.	25713-60-4		
EINECS No.	426-040-2		
Molecular Formula	C ₂₁ H ₆ Br ₉ N ₃ O ₃		
Synonyms	<ul style="list-style-type: none">• Tris(Tribromophenyl)Triazine• 2,4,6-Tris(2,4,6-tribromophenoxy)-1,3,5 triazine• Tri(tribromophenyl) cyanurate		
TEST	SPECIFICATION		METHOD
Appearance	Form: Powder Colour: White		Visual
Purity	98 % Max.		By HPLC
Bromine Content	67.4 % Max.		XRF analysis
Melting Range	227 - 230 °C		Melting point apparatus (open capillary tube method)
Volatile Content	0.5 % Max.		Oven drying
Moisture Content	0.5 % Max.		KF Titration
Solubility at 25 °C	Solvent	Solubility (gm/100ml)	Visual
	Carbon Tetrachloride	17	
	Methanol	0.2	
	Methylene acetate	3	
	Methyl Ethyl Ketone	4	
	Toluene	28	
	Water	Insoluble	

Product Applications:

1. POLYMER ADD-FR 245 is used as a flame retardant in polyethylene and its copolymers.
2. It is mainly used in acrylonitrile-butadiene-styrene and high impact polystyrene.
3. It is an additive flame retardant widely used in polycarbonate, polyphenylene oxide, polybutylene terephthalate and Polyethylene terephthalates resin.

**Product Benefits:**

1. POLYMER ADD-FR 245 provides high efficiency and good thermal stability.
2. It combines good UV, impact and flow properties.
3. It is cost efficient flame retardant.

Product Dosage: We strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Exact loading must be determined by compositions of the specific polymer systems.

Polymer Details**Suggested dosage****Product Handling & safety:**

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration: POLYMER ADD-FR 245 is not recommended for food contact polymers.

Title:

Chapter:

Subchapter:

Part:

Subpart:

Section:

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seler be liable for incidental, consequential or indirect damanges for alleges negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended.