

2,4,6-Tris(tribromophenoxy) Triazine (FR245)

Brominated triazine additive development in selected engineering plastics.

CAS No. 25713-60-4	EC / List No. 426-040-2	Transport Non-dangerous goods
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Product Information

FR245 is 2,4,6-tris(2,4,6-tribromophenoxy)-1,3,5-triazine, CAS 25713-60-4. Its structure combines aromatic bromine-containing groups with a triazine ring. It is an additive for selected engineering plastic packages and should be identified by CAS when comparing trade names.

Specifications

Parameter	Specification
Appearance	White to yellowish powder
Bromine content	≥67 %
Volatile matter	≤0.20 %
Melting range	226–230 °C
Temperature at 2% weight loss	≥335 °C

Supply specifications follow the local ZXCHEM TDS. Values apply to the stated grade; complete-formulation flame performance requires testing.

Typical Properties

Property	Typical Value
Molecular formula	C ₂₁ H ₆ Br ₉ N ₃ O ₃
Molecular weight	1067.43 g/mol

Applications

ABS and HIPS compounds: Brominated additive for selected styrenic compounds. Evaluate impact, flow, colour, ageing and complete-compound flame performance.

Engineering polymer packages: Component for selected PBT, PC blends and related engineering plastics. Verify thermal processing, compatibility and the required physical properties.

Electrical and electronic components: Additive for selected polymer parts. Assess mechanical and electrical properties and perform the finished-material fire test at the intended thickness.

Packaging / Storage

Item	Information
Packing	25 kg bags / 1,000 kg bulk bags
Storage	Keep sealed in a cool, dry, ventilated warehouse. Protect from moisture, heat and contamination; store away from incompatible chemicals.
Handling	Use enclosed powder feeding or local extraction. Wear suitable protective gloves, eye protection and work clothing; avoid dust inhalation and direct contact. Provide controls for fumes during hot processing.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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