

POLYMER	FR-HALOGENATED
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TBNPA	Technical Datasheet
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Product Information: POLYMER ADD-TBNPA is a reactive intermediate for high molecular weight flame retardant, particularly in combination with phosphorus and a reactive flame retardant for polyurethanes where its high solubility in the system makes it especially useful.

Chemical Name	TBNPA		
Grade Name	TBNPA		
CAS No.	36483-57-5		
EINECS No.	253-057-0		
Molecular Formula	C ₅ H ₉ Br ₃ O		
Synonyms	<ul style="list-style-type: none"> • Tribromoneopentyl Alcohol • Pentaerythritol Tribormide • Trisbromoneopentyl Alcohol 		
TEST	SPECIFICATION	METHOD	
Appearance	Form: Crystalline powder Colour: White	Visual	
Purity	97 % Min.	By HPLC	
Bromine Content	73.86 % Max.(Theoretical)	XRF analysis	
Melting Range	64 - 65 °C	Melting point apparatus (open capillary tube method)	
Acid Value	0.15 (KOH mg /g) Max.	Titration	
Moisture Content	0.5 % max.	KF Titration	
Solubility at 25 °C	Solvent	Solubility (gm/100ml)	Visual
	Ethanol	199	
	Methanol	270	
	Toluene	44	
	Water	0.2	

Product Applications:

1. POLYMER ADD-TBNPA is reactive flame retardant for polyurethanes where its high solubility in the system makes it especially useful.
2. It is also suitable for use in rigid polyurethane and thermoset polyester resins because of its high bromine content.
3. It is used alone, as polyol in the formulations of rigid foams.

Product Benefits:

1. POLYMER ADD-TBNPA it is reactive intermediate for high molecular weight flame retardant.

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ISO 9001:2008 Certified Company



2. It has high solubility in the system.

3. It has high standards of fire retardancy to be reached together with good foam properties in both rigid and flexible PU.

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
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Product Handling & safety:

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

Product Registration: POLYMER ADD-TBNPA 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.