

POLYMER ADDITIVES	FR-PHOSPHATES
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FR BDP	Technical Datasheet
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Product Information: POLYMER ADD-BDP is a high molecular weight phosphate ester flame retardant that can impart an excellent flammability performance together with good processing properties		
Product Name	FR BDP	
Grade Name	POLYMER ADD-BDP	
CAS No.	5945-33-5	
EINECS No.	425-220-8	
Molecular Formula	C39H34O8P2	
Synonyms	<ul style="list-style-type: none"> • Bisphenol A-bis (Diphenyl phosphate) • Phosphoric Acid Isopropylidenedi-p-phenylene Tetraphenyl Ester • Bisphenol-A-di(diphenylphosphate) 	
TEST	SPECIFICATION	METHOD
Appearance	Form: Liquid Colour: Colourless	Visual
Phosphorus Content	8.9 %	Theoretically
Boiling Point	300 °C Min.	Boiling point apparatus (open capillary tube method)
Acid Value	0.1 (mgKOH/g) Max.	Titration
Moisture Content	0.5 % Max.	By KF Titration
Volatile Content	0.5 % Max.	Oven drying
Colour (APHA)	100 Max.	Colorimeter
Solubility at	Solvent	Solubility (gm/100ml)
	Toluene	50 gm/100ml
	Water	0.003 gm/100ml

Product Applications:

1. POLYMER ADD-BDP is widely used in variety of polymer system but specially used in engineering plastics.
2. It is used in engineering resin applications such as polyphenylene oxide alloys and PC/ABS.
3. It is used in solutions to flame retard solid thermoplastics (e.g. polycarbonate), HIPS/PPO, textile fibers, wire and cables (e.g. TPU).

Product Benefits:

1. POLYMER ADD-BDP has low volatility and high heat stability.
2. It has lower vapour emission during processing and mould deposits.
3. It has low generation of toxic gases and generation of during combustion.

Polymer Add Pte. Ltd.

ISO 9001:2008 Certified Company



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-BDP 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 Seller be liable for incidental, consequential or indirect damages 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