

# Polymer Add Pte. Ltd.

ISO 9001:2008 Certified Company



<b>POLYMER</b>	<b>ANTIOXIDANT PRIMARY</b>
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<b>AO DPDP</b>	<b>Technical Datasheet</b>
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<b>Product Information:</b> POLYMER ADD-AO DPDP is Alkyl Aryl Phosphite processing stabilizer.			
Chemical Name	AO DPDP		
Grade Name	AO DPDP		
CAS No.	26544-23-0		
EINECS No.	247-777-4		
Molecular Formula	C22H31O3P		
Synonyms	<ul style="list-style-type: none"><li>• Isodecyl alcohol, diphenyl phosphite(8CI)</li><li>• Diphenyl Isodecyl Phosphite (DPDP)</li><li>• Phosphorous acid,isodecyl diphenyl ester</li></ul>		
<b>TEST</b>	<b>SPECIFICATION</b>	<b>METHOD</b>	
Appearance	Form: Clear Liquid Colour: Colorless	Visual	
Color	50 (APHA) Max.	Colorimeter	
Melting Point	18 °C	Melting point apparatus (open capillary tube method)	
Boiling Point	418.6 °C	Boiling Point apparatus (open capillary tube method)	
Viscosity at 25°C	15 m Pa's	By Viscometer	
Refractive Index at 25°C	1.516 - 1.519	Refractometer	
Specific Gravity at 25°C	1.022 - 1.032	Pycnometer	
Solubility at	Solvent	Solubility ( gm/100ml )	Visual

## Product Applications:

1. POLYMER ADD-AO DPDP is an effective liquid phosphite heat stabilizer for polyurethanes, coatings, ABS and polycarbonates.
2. It can be used in rigid and plasticized PVC applications to give brighter, more consistent colors.
3. It is an excellent antioxidant for Acrylics, Polyesters and Polyphenylene oxide.

## Product Benefits:

1. POLYMER ADD - AO DPDP has high process stability.
2. It has excellent colour improvement.
3. It can be used as flame-bonding additive for ether foams.

**Product Dosage:** We strongly recommend testing of your own system under the actual conditions of processing and end-use

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prior to full scale testing. Exact loading must be determined by compositions of the specific polymer systems. Maximum 0.1 - 3.0 % of resin weight for ABC, PC, PU, PP & Maximum 0.25 - 1.0 % of resin weight for PVC.

## Polymer Details

## Suggested dosage

### Product Handling & safety:

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

**Product Registration:** POLYMER ADD-AO DPDP is not approved for food contact usage by US FDA.

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.