



POLYMER	
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AO 1330	Technical Datasheet
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**Product Information:** POLYMER ADD-AO 1330 is a sterically hindered phenolic antioxidant which protects organic substrates against thermo-oxidative degradation. It is non-colouring and odourless antioxidant. It has exceptionally low volatility and is especially suitable in applications where high processing temperature is required.

Chemical Name	AO 1330		
Grade Name	AO 1330		
CAS No.	1709-70-2		
EINECS No.	216-971-0		
Molecular Formula	C <sub>54</sub> H <sub>78</sub> O <sub>3</sub>		
Synonyms	<ul style="list-style-type: none"><li>2,4,6-Tris(3',5'-Di-Tert-Butyl-4'-Hydroxybenzyl)Mesitylene</li><li>1,3,5-Trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl) benzene</li><li>2,2,2,6,6,6-hexa-tert-butyl-alpha,alpha,alpha-(mesitylene-2,4,6-triyl)tri-p-cresol</li></ul>		
TEST	SPECIFICATION		METHOD
Appearance	Form: Crystalline powder Colour: White		Visual
Purity	98.0 % Min. 95.0 % Min.		By HPLC By GC
Melting Range	240 - 245 °C		Melting point apparatus (open capillary tube method)
Ash Content	0.5 % Max.		Open Crucible
Solubility at 25 °C	Solvent	Solubility ( gm/100ml )	Visual
	Acetone	18	
	Chloroform	28	
	Ethyl Acetate	27	
	Methanol	3	
	Toluene	36	
	Water	Insoluble	

**Product Applications:**

- POLYMER ADD-AO 1330 is used in polyolefins (e.g., polyethylene, polypropylene, polybutene) for the stabilization of pipes, moulded articles, wires and cables, dielectric films and in other polymers such as engineering plastics like linear polyesters, polyamides and styrene homo- and copolymers.
- It may also be used in PVC, polyurethanes, elastomers, adhesives and other organic substrates.

**Product Benefits:**



1. POLYMER ADD-AO 1330 has long term thermal stability.
2. It has high processing temperature stability.
3. Excellent polymer extraction resistance especially in hot water.

**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. Maximum 0.5 % by weight of the polymers except in Nylon Resin where the limit is Maximum 1 % by weight of nylon resin.

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-AO 1330 is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)

Subchapter: B - Food For Human Consumption (Continued)

Part: 178 - Indirect Food Additives : Adjuvant, Production Aids, And Sanitizers

Subpart: C - Antioxidants And Stabilizers

Section: 178.2010 - Antioxidants And/Or Stabilizers For Polymers.

**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.