

POLYMER ADD - AO 5057

Technical Datasheet

Product Information: POLYMER ADD - AO 5057 is a liquid aromatic amine antioxidant for various polymers, including polyols and polyurethane. It is an excellent high temperature antioxidant and deposit inhibiting performance.

Chemical Name	OCTYLATED,BUTYLATED DIPHENYLAMINE		
Grade Name	POLYMER ADD - AO 5057		
CAS No.	68411-46-1		
EINECS No.	270-128-1		
Molecular Formula	C20H27N		
Synonyms	• IRGANOX 5057		
TEST	SPECIFICATION	METHOD	
Appearance	Clear Orange to Brown Liquid	Visual	
Purity	98 % Min	By HPLC	
Boling Range	275 °C Min.	Boling point apparatus	
Relative Density at 25 °C	0.98 - 1.01 g/cm3	By pycnometer	
Kinematic Viscosity at 40 °C	200 - 400 mm2/s	Viscometer	
Solubility at 25 °C	Solvent	Solubility (gm/100ml)	Visual
	Acetone	> 50	
	Ethyl Acetate	> 50	
	Methanol	> 50	
	n-Hexane	> 50	
	Water	0.01	

Product Applications:

1. POLYMER ADD - AO 5057 is used in all kinds of lubricant diesel engine oils, marine diesel oils, automatic transmission fluids, tractor hydraulic fluids, greases and industrial gear oil compounded with phenolic antioxidant.
2. It is an antioxidant for use in mineral and synthetic base stocks that are typically employed in lubricant applications.
3. It can be used in rubber products to work as thermal antioxidant and anti aging.

Product Benifits:

1. POLYMER ADD - AO 5057 provides good protection against degradation due to heat and oxygen.
2. It has high nitrogen content and liquid form allows for incorporation into high-performance passenger car.

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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[illegible]

Product Handling & safety:

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

Product Registration: POLYMER ADD - AO 5057 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

Subchapter: B - Food For Human Consumption (Continued)

Part: 177 - Indirect Food Additives: Polymers

Subpart: B - Substances For Use As Basic Components Of Single And Repeated Use Food Contact Surfaces

Section: 177.1210 - Closures With Sealing Gaskets For Food Containers.

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Polymer Add Pte. Ltd.

ISO 9001:2008 Certified Company



Subchapter: B - Food For Human Consumption (Continued)
Part: 178 - Indirect Food Additives: Adjuvants, Production Aids, And Sanitizers
Subpart: C - Antioxidants And Stabilizers
Section: 178.2010 - Antioxidants and/or stabilizers for polymers.

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Subchapter: B - Food For Human Consumption (Continued)
Part: 178 - Indirect Food Additives: Adjuvants, Production Aids And Sanitizers
Subpart: D - Certain Adjuvants And Production Aids
Section: 178.3570 - Lubricants With Incidental Food Contact.

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.