

add**polymer**

Polymer Add (Thailand)Co., Ltd.

NABZ (MICRONISED)

Technical Datasheet

Product Information: Sodium Benzoate micronised has been used as Nucleating agent during manufacturing Polypropylene grades since long. Sodium Benzoate is completely safe for use in food grade plastics (GRAS) it has neutral pH and is chemically stable upto 400 Degrees C, making it ideal for use in Homo as well as in Block Co-Polymers where dimensional stability & flexural modulus needs to be improved. Due to its higher melting point it can be used in high temperature applications and ensures faster mould release.

Chemical Name	SODIUM BENZOATE (MICRONISED)	
Grade Name	NABZ (MICRONISED)	
CAS No.	532-32-1	
EINECS No.	208-534-8	
Molecular Formula	C7H5NaO2	
Synonyms	<ul style="list-style-type: none"> • BENZOIC ACID SODIUM SALT • SODIUM SALT OF BENZENE CARBOXYLIC ACID 	
TEST	SPECIFICATION	METHOD
Appearance	White Powder free from visible contamination	Visual
Purity (on Na content basis)	> 99 %	By AAS
Moisture Content	< 1.5 %	Oven drying (at 105 °C)
Acidity /Alkalinity	1 gm sample requires max 0.2 ml of 0.1 N HCl or NaOH soln	By Titration
Particle size	D95-100 < 10 µm	Particle Size Analyzer
Whiteness	> 99%	Whiteness Meter
Bulk density		Tapped
Bulk density		Untapped

Product Applications:

1. Sodium Benzoate Micronised is used as Nucleating agent in Polypropylene.
2. Sodium Benzoate is used as FDA GRAS food additive.
3. It is a nucleating agent for use in thermoplastic masterbatch and compounding to increase the rate of crystal growth and causes it to occur at higher temperatures compared to not using an additive.

Product Benefits:

1. Improves Nucleation and ensures uniform crystal growth at higher temperatures.
2. Improves Flexural Modulus & Impact strength & stiffness.
3. Reduces Cycle Time at converter due to faster mould release at higher temperature.

Product Handling & safety:

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

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Product Registration: NaBz SF 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

Part: 184 - Direct food substances affirmed as generally recognized as safe

Subpart: B - Listing of Specific Substances Affirmed as GRAS

Section: 184.1733 - Sodium benzoate

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 alleged negligence breach of warranty, strict liability, and tort or contact rising in connection 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 intended 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 for use for which implantation within human body is intended.