SINOPAEK

Technical Data Sheet

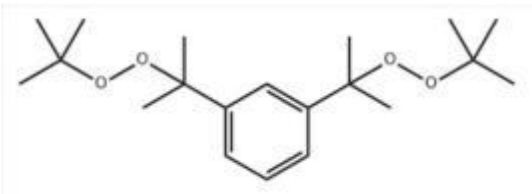
BIPB97F

Di(tert-butylperoxyisopropyl)benzene

Product introduction

Chemical Name	Di(tert-butylperoxyisopropyl)benzene
Molecular Formula	$C_{20}H_{34}O_4$
Appearance	White to light yellow powder flake solid
Assay	≥97%
CAS number	2212-81-9/25155-25-3
EINECS No.	218-664-7

Chemical construction



Scope of application

BIPB97F products are especially suitable for EPDM rubber, EVA copolymer, NYLON elastomer, POE elastomer, OBC elastomer, Silicone rubber, Hydrogenated butadiene rubber, Fluorine rubber, Perfluoro rubber, Chlorinated polyethylene, XPU Polyurethane rubber and other industries widely used. Especially recommended for shoe IP, MD, foaming and other applications.

Physical and chemical properties

Density	1.08g/cm3
Boiling point	360℃
Melting point	46~50℃
Active oxygen content	9.08%~9.45%

Half-life data

Activation Energy	152.69 KJ/mol
10-hour half-life Temp.	114℃
1-hour half-life Temp.	134℃
6-minute half-life Temp.	156℃

Application guide

The product BIPB97F can be cross-linked with the polymer at a certain temperature. It has different applications and functions in industrial processing fields such as polymer production, polymer cross-linking, elastomer cross-linking, thermosetting composites and acrylic resins. Due to its unique chemical structural characteristics, the crosslinking speed is faster, the odor is lower, and the crosslinking efficiency is higher. With certain anti - stick mold function. For more information on industrial applications, please visit our website or contact us.

Security data

Flash Point	113℃
SADT	80℃
UN No.	3106

Storage condition

BIPB97F products should be stored in a dry, cool, well ventilated environment, and the packaging should be kept sealed, away from heat or ignition sources, and avoid contact with reducing agents, acids, alkalis, and heavy metal compounds. To prevent contamination of unused products, it is not allowed to return anything to its original packaging. In special circumstances, please consult the technical department.

BIPB97F belongs to organic peroxides and is packaged in plastic bags, yellow cardboard boxes, and blue font. It is recommended to store at a temperature of less than 38 ℃ .

Scope of data

The data in this paper are typical values or allowable ranges, obtained from the actual test data and periodic validation.

Statement

The data in this paper are for reference only and are reliable. Our company is not responsible for any results obtained by methods beyond our control. It is the responsibility to determine the suitability of the product and take appropriate measures to prevent possible loss and personal injury during the storage and use of the product. Users are advised to conduct tests before using the product to verify that the use requirements are met.