



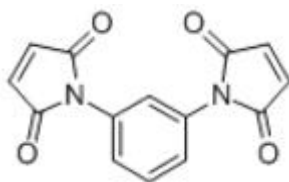
Specialized in chemicals

Technical Data Sheet

N,N'-1,3-Phenylene bismaleimide

Product Information

Chemical Name	N,N'-1,3-Phenylene bismaleimide
CAS #	3006-93-7
EINECS	221-112-8
Formula	C ₁₄ H ₈ N ₂ O ₄
Molecular Weight	268.22
Chemical Structure	



Description

N,N'-1,3-Phenylene bismaleimide, known as PDM or HVA-2, is a yellow or brown powder, .

Physical Properties

Density	1.493(19°C)
Melting point	198-201°C
Boiling point	108°C

Specification

Appearance	Yellow or brown powder
Melting point	≥195°C
Ash content	≤0.5%
Moisture content	≤.5%
Heating decrement	≤1.5%
Petroleum Process Oil Content	≤2.0%
Sieving residue(0.15mm)	≤0.1%

Applications

As multi-functional auxiliary agent for rubber, HVA-2 can be used as vulcanizator in rubber processing, auxiliary vulcanizator in peroxide system, vulcanization retarder and tackifier, and it can be used in universal rubber, special rubber and rubber-plastic blend. In NR, HVA-2 can prevent the revert of vulcanization, improve heat resistance, reduce heat-dissipating, and heighten aging resistance, modulus of vulcanized rubber as well as the cohesive force between rubber and tyre cord. In truck tyres, cushioning layers and such rubber, it can solve the no-filling problem of diagonal tyre edge, and can be used in thick and large NR products and other rubber products. In the special rubber such as CR, CSPR, SBR, NBR, IIR, BR, bromized BR, AR, SR and rubber blend, it can be used as auxiliary vulcanizator to improve crosslinking effectiveness, increase heat resistance; it can also be used in high-temperature vulcanization system, to reduce compression deformation, decrease dosage of peroxide, prevent the scorching of rubber during processing, and improve the adhesive force between rubber, tyre cord and metal..

Packaging

25kg bag or 25kg fiber drum.

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