

Rubber Antioxidant IPPD

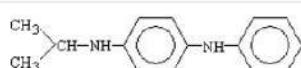
Chemical Name N-Isopropyl-N'-phenyl-p-phenylene diamine

Molecular Formula C₁₅H₁₈N₂

Molecular Weight 226.31

CAS No. 101-72-4

Structural Type



Specification

Assay Content% Min	95.0
Appearance(Visual Inspection)	Dark brown to violet granule
Initial M.P./C Min	70.0
Loss On Drying% Max (65-70°C)	0.30
Ash Content% Max	0.20

Properties:

Dark brown to violet pellet. Relative density 1.140, melting point 70-80.5°C, Soluble in oil, benzene, acetone, CCl₄, CS₂ and ethanol, difficult soluble in gasoline, insoluble water. Good stabilization storage ability, a little venomousness.

Applications

It be in application of all kinds of rubber, including the use in pneumatic tire components, solid tires, belt, hose, cables, automotive mounts and general mechanical products. It has powerful antiozonant and antioxidant properties with excellent high temperature, fatigue and flex resistance to rubber polymers. And enhance polymer resistance ability. Will discolor compounds and cause severe contact and migration staining.