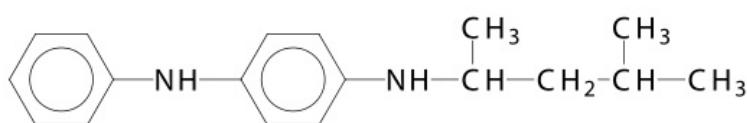


Chemical Name: N-(1,3-DIMETHYLBUTYL)-N'-PHENYL-P-PHENYLENEDIAMINE

Other Name: 6PPD,4020

Molecular Formula: C₁₈H₂₄N₂

Structural Formula:



Molecular Weight: 268.40

CAS NO.: 793-24-8

Technical Specification: GB/T 21841-2008

NAME OF INDEX	TECHNICAL SPECIFICATIONS
Appearance	Purple brown to dark brown granules or flakes
Assay, % ,min (Area normalization method)	96.0
Freezing point, °C , min	45.0
Heating Loss, % ,max	0.50
Ash content , %, max	0.20

Properties:

Pure 6PPD is white solid product, and will gradually oxidize to brown solid when exposed to the air. Industrial product 6PPD is purple brown to black brown granules or flakes, and will slowly cake when the temperature exceeds 35-40°C .Soluble in gasoline, benzene, acetone, ethyl acetate, dichloroethane, carbon tetrachloride, methylbenzene, ethylalcohol and other organic solvents, insoluble in water.

Application:

As a kind of ursol rubber antioxidant, 6PPD has better compatibility with rubbers, seldom blooming, low volatility, low toxicity, with excellent antioxidant, anti-ozone, anti-flex cracks, anti-insolation cracks, strong inhibition on copper or manganese and other toxic metals, applicable to all types of synthetic rubber and natural rubber. With good dispensability in sizing material and little effect on vulcanization, it can soften sizing material, so can be used for tires