



TECHNICAL DATA SHEET

NORTHEAST AUXILIARY CHEMICAL INDUSTRY CO., LTD.

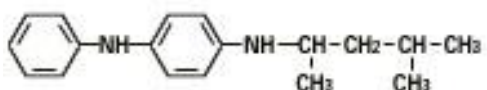
WUQIANG INDUSTRY PARK, HENGSHUI CITY, HEBEI, 053300, CHINA

Tel: +86-318-8088960 Fax: +86-318-6883012

Product Name: rubber antioxidant 6PPD

Chemical Name: N - (1 ,3 - dimethylbutyl) - N' - phenyl - p - phenylenediamine

CAS NO.: 793-24-8



Molecular Formula: C₁₈H₂₄N₂

Molecular Weight: 268.40

Specification: [HG/T 3644-1999](#)

ITEM	QUALIFIED GRADE
Appearance	Dark purple pastilles. Dark purple pastilles.
Melting Point	45.0°C MIN
Heating loss	0.50% MAX
Ash	0.15% MAX
Assay(GC)	96.0% MIN
Solidifying point	45.5°C MIN

Property: A little bitter taste, nontoxic. (Specific gravity: 1.45-1.54). Soluble in chloroform. Slightly

soluble in benzene, ethyl alcohol and carbon tetrachloride. Insoluble in gasoline, water and ethyl acetate.



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Application: Gives outstanding dynamic flex protection both indoors as well as outdoors. It also offers excellent protection from ozone weathering, oxygen aging, heat and copper deterioration. Causes no significant skin irritation or sensitization when used at normal levels in rubber compounds. Patch tests indicated that stocks containing 6PPD provide maximum freedom from possible dermatitis. This is particularly important for those who must handle the compounded stock frequently during fabrication.

Packaging: 20kg net in a woven bag lined with polyethylene.

Storage: Do not store Rubber Antioxidant 4020 in bulk above 50°C/120°F for prolonged period of time, to avoid oxidation and loss of activity. Use a nitrogen blanket when bulk storage time at maximum temperature will be greater than one month. In sealed drums Rubber Antioxidant 4020 has excellent storage stability at storage temperatures below 35 °C/95°F. Storage area should be dry and protected from excessive heat and excessive exposure to air, to prevent degradation. Keep partially used containers closed. Shelf life is dependant on the temperature of storage and extent of exposure to air.