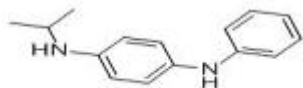


### Rubber Antioxidants IPPD(4010NA)

**Chemical Name:** N-Isopropyl-N'-phenyl-1,4-phenylenediamine  
**structure:**



**Molecular Formula:** C<sub>15</sub>H<sub>18</sub>N<sub>2</sub>

**Molecular Weight:** 226.32

**CAS NO.:** 101-72-4

**Specification:**

| Item                       | Standard                              |
|----------------------------|---------------------------------------|
| Appearance                 | violet ash to maroon granule or flake |
| Initial M.P. °C≥           | 70                                    |
| Ash % ≤                    | 0.30                                  |
| Density, g/cm <sup>3</sup> | 1.17                                  |
| Additive, %                | 80                                    |

**Properties:** RXX®4010 is violet ash to maroon granule or flake, relatively stable, soluble in acetone, benzene, ethanol and other organic solvents, poorly soluble in gasoline, insoluble in water, combustible, incompatible with strong oxidizing agents.

**Application:** As a universal good antioxidant for NR and synthetic rubber, RXX®4010 has the characteristics that is well dispersive and no influence on vulcanization. It has good properties of ozone resistance and protection of flexible fatigue ageing. It is also an excellent antioxidant for heat, oxygen, light and general aging. It is widely used in kinds of rubber goods for example tires, electric wire, tape. Due to staining, It can not be used in light colored rubber products. Dosage: NR: 2.5-3.0phr; SBR: under 4phr non blooming

**Packaging:** Co-extruded paper bag lined with PE plastics film bag. Net weight 25kg/bag, N.W. 500kg per pallet

**Storage:** Store in closed containers in a cool, dry, well-ventilated place. Avoid exposure under direct sunlight

Technical Data Sheet (TDS) Version 2.0