

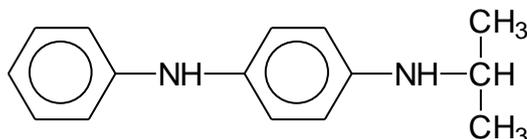
DUSANTOX[®] IPPD

Chemical Name: N-isopropyl-N'-phenyl-p-phenylenediamine

Empirical Formula: C₁₅ H₁₈ N₂

Molecular Weight: 226.3

Structural Formula:



Physical Form: Dark brown to dark violet pastilles.

Technical Parameters:

Active substance content	min. 96.0 % by weight
Melting point	min. 76.0 °C
Volatiles (3 h/70°C)	max. 0.4 % by weight
Ash (at 750 °C)	max. 0.1 % by weight
Acetone insolubles	max. 0.3 % by weight
Content of Fe and its compounds	max. 0.008 % by weight
Specific gravity	1,185.5 kg.m ⁻³
Bulk density	560-610 kg.m ⁻³

Solubility:

Dusantox[®] IPPD is well soluble in organic solvents and rubbers. Insoluble in hexane, petrol and water.

Application:

Dusantox[®] IPPD is one of the most effective accessible antidegradants available for elastomers. It acts as an effective long-term antiozonant and antioxidant giving vulcanizates high resistance against atmospheric, thermooxidative and oxidative ageing. It improves flex fatigue resistance significantly and suppresses the effects of rubber poisons. Dusantox[®] IPPD provides excellent protection against ozone in static as well as in dynamic conditions. It is possible to improve more the ozone resistance of vulcanizates under both static and combined (dynamic and static) conditions by addition of suitable microwaxes. Dusantox[®] IPPD is effective in NR, IR, SBR, BR, NBR, CR and in compounds based on their combinations. In order to reach higher protection levels of vulcanizates it is recommended to use Dusantox[®] IPPD in combination with Dusantox[®] 86 (cumylated diphenylamine) or other antioxidants of phenylnaphthylamine, imidazole and TMQ type. Partly activates vulcanization process of NR, IR, especially CR. It causes expressive colouring and contact staining of vulcanizates.

Packaging and Storage:

Dusantox[®] IPPD is packed in multilayer PE-coated paper bags of 25 kg net, with valve closure or in big-bags of 600 kg and 1,000 kg weight. The product should be stored/transported in dry and covered places/vehicles. Do not expose to direct solar radiation and temperatures above 35°C. Storage life in undamaged original packaging is two years under the observation of storage conditions.

The data given are only of an informative character and are not comprehensive. Further information can be obtained at:



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