

Dustantox IPPD Pastille

Manufacturer: DUSLO, A.S.
 Classification: Alkyl-aryl p-phenylenediamine antidegradant
 CA Nomenclature: N-isopropyl -N'-phenyl-p-phenylenediamine

Specification Properties	Value	Test Method
Acetone Insolubles, %	0.3 maximum	TN 54-015-03
Active Substance Content, %	96 minimum	TN 54-015-03
Ash Content, %	0.1 maximum	STN 68-4071-22
Heat Loss @70 °C, %	0.4 maximum	STN 66-6301-14
Iron Content, %	0.008 maximum	TN 54-015-03
Melting Point, °C	76-81	STN 66-6301-7
Typical Properties	Value	Test Method
Bulk Density, kg/m ³	490-580	Typical
Physical Form	Purple brown pastilles	Visual
Specific Gravity	1.09-1.105	Typical

> APPLICATIONS

Uses: Especially suited for in products where outdoor weather resistance and heat resistance are needed.

Recommended for tires, weather stripping, insulated wire/cables, hose, footwear, conveyor belts, O-rings, gaskets, seals, windshield wiper blades, motor mounts, automotive weather stripping, etc.

Protection: An alkyl-aryl PPD that is a very effective antioxidant and antiozonant that provides medium to long term protection. It also provides protection against flex cracking, metal ion degradation and heat aging.

Polymers: All synthetic and natural rubbers.

Synergism: Synergistic with quinoline antioxidants and microcrystalline/paraffin waxes.

Staining: Severely staining and discoloring.

Cure Effect: Slightly activating on the cure.

Recommended Dosage:

As an Antioxidant use 0.5-2.5 phr

As an Anti-Flex Agent use 1.0-3.5 phr

As an Antiozonant use 1.0-4.0 phr (without wax), 1.0-2.0 phr (with wax)

As a Metal Antidegradant use 0.5-5.0 phr

As a Polymer Stabilizer use 0.3-0.7 phr

>FDA REGULATIONS

Food contact surface component 21 CFR 177.2600(c)(4)

> PACKAGING AND STORAGE

Packaging: 25 kg (55.1 lb.) bags.

Shelf Life: 2 years from date of manufacture if stored as indicated below.

Storage: Unopened original packaging in a cool dry place. The product has excellent storage stability if stored below 35°C(95°F) and in unopened packages. Do not store in bulk above 75°C(167°F) for prolonged periods of time or in unopened containers to avoid oxidation and loss of activity. Keep partially used containers closed.

Specification Date: February 10, 2006 (Supersedes October 11, 2001)