

# Dusantox 6PPD Pastille

Manufacturer: DUSLO, A.S.  
 Classification: Alkyl-aryl- p-phenylenediamine antidegradant  
 CA Nomenclature: N-(1,3 dimethylbutyl) -N' -phenyl-p-phenylenediamine

Specification Properties	Value	Test Method
Active Substance Content, %	97.0 minimum	TN 54-054-03
Ash Content, %	0.1 maximum	STN-68-4071-22
Heat Loss @70°C, %	0.4 maximum	STN-66-6301-14
Melting Point, °C	44.0-50.0	STN-66-6301-7
Typical Properties	Value	Test Method
Bulk Density	520-580 kg/m <sup>3</sup>	Typical
Physical Form	Purple- brown pastilles	Visual
Specific Gravity	1.03- 1.06 g/ cm <sup>3</sup>	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 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 Antioxidant 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

## > 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 away from foodstuffs, oxidants and acids. The product has excellent storage stability if stored below 35°C(95°F) and in unopened packages. Do not store in bulk above 65°C(150°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)