

# Sunsine IPPD Pastille

Manufacturer: Shandong Sunsine Chemical Co., Ltd.  
 Classification: Alkyl-aryl p-phenylenediamine antidegradant  
 CA Nomenclature: N-isopropyl -N'-phenyl-p-phenylenediamine

Specification Properties	Value	Test Method
Ash Content, %	0.3 maximum	STN 68-4071-22
Heat Loss °C, %	0.5 maximum	STN 66-6301-14
Melting Point °C	70 minimum	STN 66-6301-7
Purity, %	95 minimum	TN 54-015-03
Typical Properties	Value	Test Method
Physical Form	Purple brown pastilles	Visual

## > 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.

## > 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:** March 25, 2021