

# 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	ASTM D1506-99
Heat Loss, %	0.5 maximum	ASTM D4571-94
Melting Point Final, °C	75-82	ASTM D1519-95
Melting Point Initial, °C	70 minimum	ASTM D1519-95
Purity, %	95 minimum	ASTM D4937-96
Typical Properties	Value	Test Method
Physical Form	Purple brown pastilles	Visual

## > APPLICATIONS

**Uses:** Especially suited in products where outdoor weather 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 providing 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:** January 14, 2026 (Supersedes March 25, 2021)