

Sunsine 6PPD Pastilles

Manufacturer: Shandong Sunsine Chemical Co., Ltd.
 Classification: Alkyl-aryl p-phenylenediamine antidegradant
 CA Nomenclature: N-(1,3-dimethylbutyl) -N'-phenyl-p-phenylenediamine

Specification Properties	Value	Test Method
Ash Content, %	0.1 maximum	ASTM D1506-99
Assay (GC), %	96 minimum	ASTM D4937-96
Heat Loss, %	0.5 maximum	ASTM D4571-94
Melting Point (Final), °C	51 maximum	ASTM D1519-95
Melting Point (Initial), °C	44 minimum	ASTM D1519-95
Typical Properties	Value	Test Method
Physical Form	Purple brown pastilles	Visual
Specific Gravity	1.00	Typical

> APPLICATIONS

Uses: Especially suited for 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 against flex cracking, metal ion degradation and heat aging.

Polymer: 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: 0.5-2.5 phr, as an Anti-Flex Agent: 1.0-3.5 phr, as an Antiozonant: 1.0-4.0 phr (without wax) 1.0-2.0 phr (with wax), as a Metal Antidegradant: 0.5-5.0 phr, as a Polymer Stabilizer: 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: Store in 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 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: September 17, 2014 (Supersedes January 14, 2014)