



SOVEREIGN CHEMICAL COMPANY

1225 West Market St., Akron OH 44313

Phone: 330-869-0500, Fax: 330-869-0518

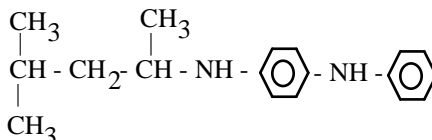
www.sovchem.net

DUSANTOX 6PPD PASTILLE

Manufacturer: DUSLO, A.S.
Classification: Alkyl-aryl p-phenylenediamine antidegradant

Chemical Composition:

Chemical Structure:



Empirical Formula: C₁₈H₂₄N₂
Molecular Weight: 268.4
CA Nomenclature: N-(1,3-dimethylbutyl) -N'-phenyl-p-phenylenediamine

Physical Data

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

Applications

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.

Product Use: 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.

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) 3-layer paper 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)