

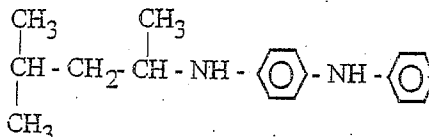
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DUSANTOX 6PPD PASTILLE

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

Properties:

Physical Form:
Active substance content:
Melting Point Range:
Heat Loss at 65°C/3 hour:
Ash:
Specific gravity at 20°C:
Bulk density:

Specification:

Purple-brown pastilles
97.0% minimum
44-50°C
0.4% maximum
0.1% maximum
1.056 g/cm³
580-610 kg/m³

Method:

Visual
FM-TK-9301-22
CSN-66-6301-7
CSN-66-6301-14
CSN-68-4071-22
Typical
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: 0.5-2.5 phr

As an Anti-flex Agent: 1.0-3.5 phr

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As an Antioxonant: 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, Storage and Handling:

Packaging: 25 kg (55.1 lb) 3-layer paper bags

Storage: 2 years if stored 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.

Handling: Handle only with appropriate protective equipment and mechanical exhaustion. Avoid contact with skin and eyes. Avoid breathing of vapors. May cause eye irritation and allergic skin reaction. Avoid dust formation. Store in a cool dry place, away from foodstuffs, oxidants and acids.

Specification Date: October 11, 2001 (supersedes February 16, 1998)

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