

Antiozonant DOX-1 Pastilles

Manufacturer: DJ CHEM Chemicals Poland SA
 Classification: Mixed Diaryl-p-phenylenediamines antiozonant
 CA Nomenclature: N'N-diaryl-paraphenylene diamine mixture
 Chemical Synonyms: DPPD, DTPD, Mixed diaryl-p-phenylenediamine, DAPD mixture

Specification Properties	Value	Test Method
Active Content, %	85 minimum	DJCHEM-210/04
Ash Content @525°C, %	0.5 maximum	ASTM D4574
Drying Loss @60°C, %	0.5 maximum	ASTM D4571
Iron Content, ppm	750 maximum	DJCHEM-214/04
Melting Point, °C	88-105	ASTM D1519
DPPD, %	19-30	DJCHEM-210/04
DTPD, %	15-26	DJCHEM-210/04
PTPD, %	40-46	DJCHEM-210/04
Typical Properties	Value	Test Method
Physical Form	Steel brown pastilles	Visual
Specific Gravity	1.18	Typical

> APPLICATIONS

Uses: Especially suited for products where outdoor weather resistance and heat resistance is 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: Excellent dynamic antiozonant and a good antioxidant that provides very long-term protection. It also protects against bin cure in CR. It also provides excellent high temperature heat degradation resistance, good flex crack resistance and protects against copper degradation.

Polymer: NR, SBR, BR, CR.

Synergism: Dox 1 Pastilles are often used with the dialkyl and alkyl/aryl p-phenylene diamines to provide optimized short-term and long-term protection.

Staining: Dox 1 Pastilles are the lowest staining and the least discoloring of the p-phenylene diamine type.

Cure Effect: Very slightly activating on the cure but the least activating of the p-phenylene diamine type antiozonants.

Recommended Dosage: As an antioxidant 1.0 phr. As an antiozonant 3.0 phr. Synergistic blend 1.0 phr dialkyl or alkyl/aryl p-phenylene diamine with 0.25 phr DOX 1.

> 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 packages in a cool dry place.

Specification Date: April 22, 2020 (Supersedes July 13, 2011)