

Technical Data Sheet

Santoflex™ 44PD

Applications

- Polymer modification
- Tires
- Water treatment industrial

Product Description

Chemical name: N,N'-Di-sec-butyl-p-phenylenediamine
Molecular weight: 220

Eastman Santoflex 44PD is an diamine-based antioxidant particularly effective for gasoline produced by cracking or pyrolysis (high olefin content gasoline) and as an effective polymerization inhibitor.

Santoflex 44PD also acts as a high activity antiozonant to protect natural and synthetic elastomer compounds, particularly in static applications for compounds containing no wax.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Form		Liquid
Viscosity		
@ 40°C	FF97.9	8-12 cSt
@ 60°C	FF97.9	5-10 cSt
Specific Gravity		
@ 16°C/15°C	FF97.4	0.93-0.95

Key Attributes

- Flex fatigue protection properties are improved with Santoflex 44PD.
- Santoflex 44PD provides compound protection against catalytic degradation by copper and other heavy metals.

Applications

- Santoflex 44PD is effective at preventing oxidation of gasolines manufactured through pyrolysis.
- Santoflex 44PD is used as an antioxidant and sweetening agent for fuels.
- Santoflex 44PD is used in compounds subjected to static conditions for long periods of time, i.e. tires used in aircraft, OTR, mobile homes, and agricultural equipment, as well as structural mounts, fixed hoses, gaskets, etc.
- Santoflex 44PD provides stabilization for a wide range of solution and emulsion polymerized elastomers that can tolerate discoloration.
- Santoflex 44PD is used as a polymerization inhibitor in styrene monomer, p-methylstyrene, divinylbenzene and acrylate esters production and as a column antifoulant.

Storage and Shelf Life

Store Santoflex 44PD drums in a cool, ventilated area, avoiding exposure of the packaged product to direct sunlight. Extended storage below 18°C could cause material to solidify. Solid material can be melted upon gentle

warming.

The shelf life of Santoflex 44PPD is 24 months from the date of manufacture, based on the recommended handling and storage conditions. Once the material has surpassed shelf life, please contact us if you would like to receive our suggestions for material re-verification, based on key product characteristics.

Handling Precautions

For detailed information on toxicological properties and handling precautions please refer to the current Safety Data Sheet. This information sheet can be downloaded from our web site or requested from the nearest Eastman office and should be consulted before handling this product.

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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