



Technical Data Sheet

Antioxidant

Pentoflex – SP

Composition : Styrenated Phenol

Specification : Color : Pale yellow to colorless
Appearance : Viscous Liquid
Refractive Index : 1.595 – 1.605
Specific Gravity : 1.08

Dosage :
• 0.5 – 3 phr

Uses and Benefits :

- Pentoflex – SP is a very widely used and inexpensive non-staining, non discoloring antioxidant for white / colored or transparent rubber products based on NR, IR, SBR, BR, NBR, CR, etc.
- Pentoflex – SP also finds applications as a stabilizer for synthetic rubbers and plastics such as Polypropylene, Polyethylene, high impact polystyrene, adhesives, oils and plasticizers.
- Pentoflex – SP disperses very easily in dry rubber compounds and does not bloom or affect the color, odor and transparency of the rubber product.
- Pentoflex – SP does not influence the viscosity, scorch and cure characteristics of rubber compounds nor does it have any influence on unaged mechanical properties of rubber vulcanizates.
- Pentoflex – SP has a very low volatility and thus is a highly persistent antioxidant.
- Pentoflex – SP offers good oxidation, heat and ozone resistance as well as flex fatigue resistance to transparent / white / colored rubber vulcanizates and exhibits good 'Color fastness' characteristics.
- The combination of Pentoflex – SP and antioxidant Pentoflex – TDQ offer synergistic effect to improve the heat ageing resistance of rubber vulcanizates at lower cost but with only slight discoloration.
- Pentoflex – SP is a suitable antioxidant for normal as well as heat sensitized NR latex based compounds and its performance in NR latex based vulcanizates is similar to that of NR dry rubber based vulcanizates.

Packing : 50 kg or 200 kg PVC/MS Drum.

Storage stability : Up to 1 year in normal storage conditions.

Handling : Consult material safety data sheet (MSDS) for additional handling information for Pentoflex – SP.

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