

Technical Data Sheet

SUNNOX 5015(M)

Description

5015(M) is a synergistic blend of liquid antioxidants for processing and long-term thermal stabilization of organic substrates such as raw elastomers, Polyurethane, silicone, etc. It is non-staining, non-discoloring, low in volatility, resistant to extraction, and stable to heat.

Specifications

Item	Specification
Appearance	Slightly yellow liquid
Content (weighing protocol)*	
- Phenolic (%)	49.0 ~ 51.0
- Aminic (%)	49.0 ~ 51.0
Refractive index (at 25oC)	1.530 ~ 1.560
Density (g/cm ³ , at 20°C)	0.950 ~ 1.000

Applications

5015(M) is compatible with thermoplastic elastomers including BR, SBR (including carbon black masterbatches), NBR, CR, IR, SBS, SIS and natural rubber. Used as an effective anti-yellowing, antioxidant and antifatigue agent for rubber vulcanizates based on diene rubbers, especially CR. It can be also used anti-yellowing agent and anti-oxidant for PU and plastics.

Its main function is to protect the substrates against thermo-oxidative degradation during long term heat aging process.

Its normal usage level in raw elastomers ranges between 0.05% and 1.5%. In rubber vulcanizates it is used typically at 1-3 phr level.

Storage Protect from sunlight. Store in a well-ventilated place. Store in a closed container.

Shelf Life 2 years