

Technical Data Sheet

SUNNOX DSTDP

Name of Commodity: SUNNOX DSTDP

Brief Introduction

SUNNOX DSTDP is a thioether-type antioxidant that functions by scavenging peroxides formed during the thermal oxidative degradation of plastics and other organic materials. Combinations of this product with hindered phenolic antioxidants provide outstanding thermal stability in polyolefins, styrenic polymers, and engineering plastics. SUNNOX DSTDP is non-discoloring, has good compatibility with polyolefins, styrenic polymers, and adhesives, and has low odor relative to other sulfur-based antioxidants.

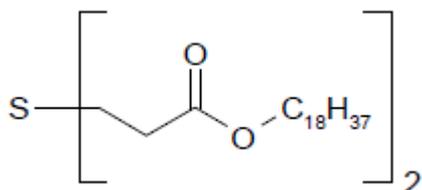
Material Description: Thioether Antioxidant/Heat Stabilizer

Chemical Name: Dioctadecyl 3,3'-thiodipropionate

CAS #: 693-36-7

Molecular Weight: 683 g/mol

Chemical Structure:



Physical Properties

Appearance: White Powder

Colour APHA(50% solution in toluene): 50.0Max

Acid Value (MgKOH/gm): 2.0 Max

Melting Point °C : 63.0 Min

Moisture content %(by K/F method): 0.1 Max

Applications:

SUNNOX DSTDP is a thioether-type antioxidant recommended for use in polyolefins, styrenic polymers, and adhesives. Potential applications include mineral-filled and unfilled polypropylene, TPO, polyethylene pipe, crosslinked polyethylene power cable insulation, styrenic polymers (*e.g.* ABS, HIPS), and adhesives.