

PRODUCT DATA



INTERSPERSAL

SperseStab™-486X UV/Thermal Stabilizer System

Stabilization system for Thermoplastic Urethanes (TPU) and PVC

Overview

SperseStab systems represent a highly effective light and thermal stabilizer package for use in both thermoplastic polyurethanes (TPU) as well as rigid and plasticized PVC. For TPU it finds application for polymers produced from either aliphatic or aromatic isocyanates. The TPU Polymer may further be derived from polyether or polyester polyols. The SperseStab 486X system incorporates a strong and permanent UV-B absorber for long term UV protection without the imparting color and ideally optimized for Urethanes. This system can also be incorporated into adhesive systems such as MS Polymers and SPURS. The SpeseStab system also includes a highly active and permanent antioxidant / radical trap which does not contribute to color and is ideally suited for PVC and TPU systems for both process stabilization as well as long term thermal stability.

Chemistry

Chemical Name:	Proprietary
CAS Number:	Proprietary
Chemical Structure:	Proprietary

Typical Properties

Product Form:	Powder
Melting Range:	>50°C
Color:	White to yellow

Applications

SperseStab-4863 is an economical UV system designed for general TPU applications. **SperseStab-4866** is a highly permanent UV system for both TPU as well as rigid and plasticized PVC systems. It additionally has excellent performance in clear MS Polymers and SPUR Adhesive systems where clarity and color are critical. It can be combined with optical brighteners as well as other stabilizers providing excellent color and long term thermal stability.

SperseStab-4867 improves on the thermal stability of 4866 for use in both PVC and TPU systems.

Advantages

- Low color provides an advantage over conventional systems
- Non-interacting with catalysts and mixed metal stabilizers compared to conventional systems.
- excellent solubility in both polyether and polyester polyols providing long term photo-permanence.
- Low volatility
- Non-discoloring

Use

Recommended for use at loading levels between 0.1% to 1.5% by weight depending on polymer system, pigments and pigment concentrations as well as factors including, part thickness and performance requirements. SperseStab 486X systems can be used in combination with other additives including HALS, UVAs or antioxidants although such additions should be required only for exceptional applications.

Storage

This product may be stored up to two years in a sealed container. Containers should be kept tightly closed when not in use and stored in a cool, dry place.

Safety

Please consult the Safety Data Sheet (SDS) prior to handling or using this product.

FDA Regulations

SperseStab has not been cleared by the FDA for use in food contact applications..

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