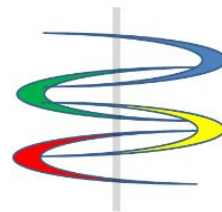


# Product Data



INTERSPERSAL

## SperseStab™-5153 UV Stabilizer

### Hindered Amine Light Stabilizer

#### Overview

SperseStab-5153 is a medium molecular weight Hindered Amine Light Stabilizer with excellent permanence and compatibility with filled systems including; carbon black, talc,  $\text{CaCO}_3$ ,  $\text{Mg(OH)}_2$ , and other filled systems. This cost effective product is ideal for roofing membranes, exterior packaging and machine parts, pipe, decking, sheets and containers. Filled systems are becoming increasingly more popular due to their structural, economic and processing advantages however UV and thermal stability is typically negatively impacted. The use of SperseStab 5153 can help regain UV and thermal properties.

SpereStab 5153 may be used alone or in combination with other additives including Antioxidants, Hindered Amine Light Stabilizers and UV Absorbers. Other applications may include filled nylon systems, either alone or in conjunction with other Antioxidants.

#### Chemistry

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

#### Typical Properties

Product Form:	Solid
Melting Range:	> 200°C
Color	White to off-white powder

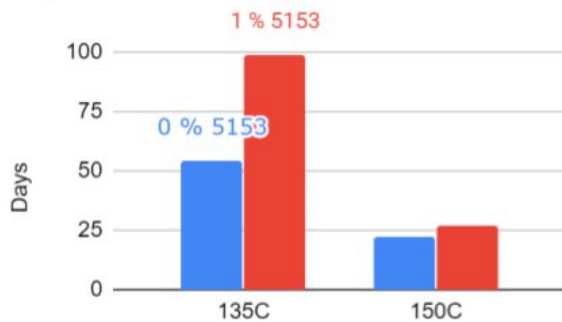
#### Applications

SperseStab-5153 is ideal for the light stabilization of TPO roofing, offering excellent compatibility with  $\text{Mg(OH)}_2$  and ATH. In Carbon black filled membranes and geotextiles, the addition of SperseStab 5153 appears to not be absorbed into the carbon black like other types of HALS and antioxidants allowing for greater thermal and UV stability.

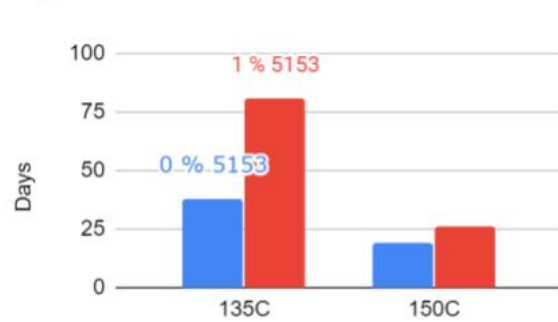
#### Advantages

- economical and effective Hindered Amine.
- compatible with filled systems
- low interactions with carbon black
- medium weight HALS has greater permanence than low m.w. materials.

Days to Embrittlement 0.5% Carbon Black



Days to Embrittlement 2.0% Carbon Black



Formulation contains 0.2% 944 UV Stabilizer and 0.15% B215. Carbon black concentration has a greater effect on 944 than on SperseStab 5153

### 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

This product is not FDA cleared.

### Important notice

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license.

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