



SONGSORB® CS 945
Liquid hindered amine
light stabilizer
(HALS)

- Liquid, hindered amine light stabilizer (HALS) for efficient processing and use
- Label-free thanks to safe handling and favorable product classification
- Low initial color and excellent compatibility with formulated systems
- Combination with SONGWON antioxidants and UV absorbers for outstanding protection

SONGWON specializes in stabilizer solutions that counter the harmful effects of light and heat on coatings, adhesives and sealants based on silane-modified polymers.

Formulation of systems based on silane-modified polymer has become easier and safer than ever before. In combination with SONGWON's antioxidants and UV absorbers, SONGSORB® CS 945 provides protection against light- and heat-induced degradation, thereby promoting exceptional durability. Liquid in form and label-free, it is safe in use and easy to blend in low-temperature processing.

SONGNOX[®] CS Antioxidants and SONGSORB[®] CS Light Stabilizers

The combination of organic UV absorbers (UVAs), hindered amine light stabilizers (HALS) and phenolic antioxidants (AOs) provides exceptional levels of protection against crack formation, discoloration, and retention of mechanical properties in systems based on silane-modified polymers.

Experience the following benefits:

- Optimal protection performance
- Safe and reliable product usage
- Label-free product
- Easy processing

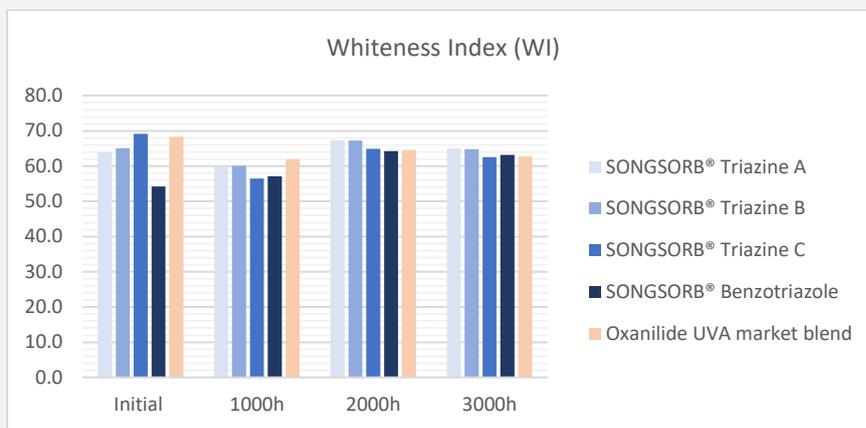
SONGSORB[®] UVAs provide excellent long-term color stability:

SONGWON Stabilizers:

- SONGSORB[®] CS 945 (HALS)
- SONGSORB[®] CS UVA
- SONGNOX[®] CS antioxidant

Reference system:

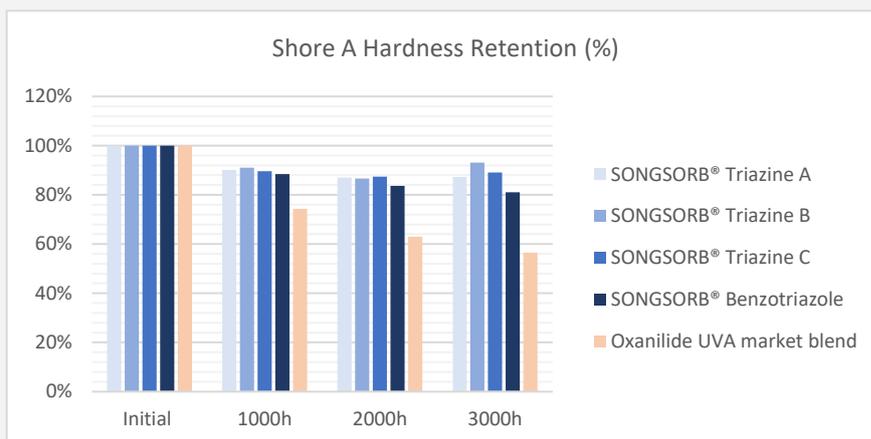
- 19.5% silane-modified polymer
- 19.5% plasticizer
- 58.5% mineral filler
- 2.2% catalyst & additives
- 0.3% combination of antioxidant & light stabilizers



Outstanding hardness retention:

Artificial weathering procedure:

- Atlas Ci4000
- ASTM G155, Cycle 1
- Black panel temperature: 63°C
- Irradiation: 0.35 W/m² (340nm)
- Weathering cycle:
- 102 minutes irradiation,
- 18 minutes water spray



SONGSORB[®] CS 945:

- SONGSORB[®] CS 945 is a liquid, viscous, 35% active polymeric HALS that is highly effective in adhesive and sealant applications.
- The liquid carrier is compatible with common plasticizers and allows easy incorporation and processing.
- SONGSORB[®] CS 945 protects cured sealants from surface defects such as cracks and ensures the retention of mechanical properties.
- SONGSORB[®] CS 945 provides strong synergies with SONGWON's triazine UV absorbers (UVAs), significantly improving weathering resistance and reducing color change.
- SONGSORB[®] CS 945 exhibits low volatility and excellent resistance to migration.

Recommended dosage:

- 1.0 - 4.0% SONGSORB[®] CS 945
- Synergistic effects with 1.0 - 3.0% UV absorber



SONGWON provides customers with warranties and representations as to the chemical or technical specifications, compositions and/or the suitability for use for any particular purpose exclusively in individual written agreements.

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