

- SONGWON is a leading manufacturer of stabilizers for the coatings, adhesives and sealants industries.
- Broad product portfolio to address performance, durability, processing and regulatory needs.
- Global Reach Local Service
- Worldwide network of sales offices, distributors, customer service and logistic hubs and warehouses

SONGWON's antioxidants, UVabsorbers and light stabilizers enhance performance and durability of coatings, adhesives and sealants formulated with silane-modified polymers (SMP).

SONGWON's hydroxyphenyl-triazine UVabsorbers of the SONGSORB® CS 400 family are available as solids, liquids and in labelfree versions.

Combination with SONGSORB® CS 945 hindered amine light stabilizer (HALS) and SONGNOX® CS antioxidants give flexibility to tailor the stabilizer package to individual application needs and to optimize cost-in-use.



SONGWON solutions for SMP-based systems provide excellent stability of product properties

Accelerated aging testing (Bandol Wheel® H400) simulates similar degradation processes as under natural weathering conditions. SONGWON stabilizer packages meet or exceed durability characteristics of benchmark stabilizers susceptible to regulatory limitations.

SONGSORB® CS 400-family of UV-absorbers improve color stability:

Benchmark package:

 AO/UVA/HALS (0.5/1.0/1.0)* susceptible to regulatory limitations

Solution 01:

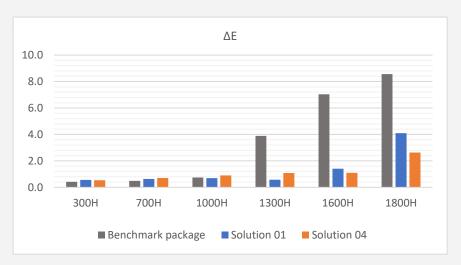
label-free light-stabilizer package AO/UVA/HALS (0.5/1.0/1.0)*

Solution 04:

label-free stabilizer package AO/UVA/HALS (0.5/1.0/1.0)*

Accelerated aging conditions:

- Bandol Wheel® H400
- Black panel temperature: 60°C
- Irradiation: 95 W/m² (300-400 nm) medium-pressure mercury lamp



Highly efficient, liquid and label-free SONGSORB® CS 945 HALS allows reduction of add-on:

Benchmark package:

 AO/UVA/HALS (0.5/1.0/1.0)* susceptible to regulatory limitations

Solution 01:

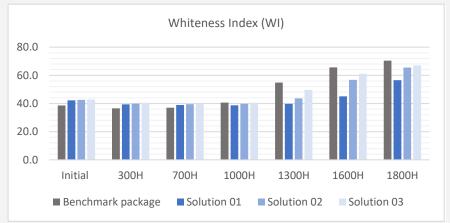
• label-free light-stabilizer package AO/UVA/HALS (0.5/1.0/1.0)*

Solution 02:

• label-free light-stabilizer package AO/UVA/HALS (0.5/1.0/0.7)*

Solution 03:

• label-free light-stabilizer package AO/UVA/HALS (0.5/1.0/0.35)*



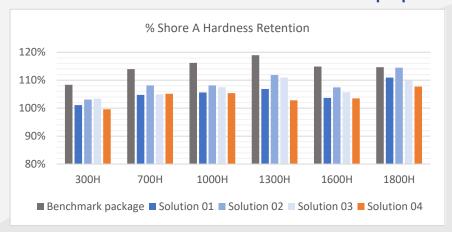
Minimal hardness variation to maintain mechanical properties:

Test system:

- 19.5% silane-modified polymer
- 19.5% plasticizer
- 58.5% mineral filler (w/o TiO₂)
- 2.2% catalyst & additives
- * % stabilizer based on polymer content

Find more information about SONGWON's portfolio here:

www.songwon.com/products/coatings



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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