



SABO®STAB UV
Innovative HALS for PP-
based TPO applications

SONGWON is a leading specialist in UV stabilization technology for plastics.

SABO, an Italian based producer of HALS, has strengthened SONGWON's position in the light stabilization area. Together, the two companies have developed UV stabilizers that fulfill numerous different performance criteria.

With their excellent physical and technical properties, SABO®STAB UV stabilizers are widely used in the automotive and construction industries to meet the stringent requirements of improved weathering in polypropylene-based thermoplastic olefin (TPO) applications.

It's all about **the chemistry™**

 **SONGWON**

TPO manufacturers benefit from SONGWON's extensive experience in light stabilization of plastics.

Demanding requirements met



High color & surface protection, gloss retention

Low risk of blooming

Low VOC/fogging & low total carbon emission

Easy handling, low dust build-up and good free flow

Proven reliability



More than 50 years' manufacturing experience in South Korea

Backward integration of key raw materials

Global sales organization channels in Asia, Europe and North America

Technical expertise at hand



Testing laboratory in South Korea

Technically advanced, customized light stabilizer formulations

Dedicated local support centers


Strong commitment




Continuous innovation to meet new industry standards


SABO® STAB light stabilizers meet increasingly high weathering stability standards in demanding automotive and construction applications.

SABO®STAB UV 210

 is easy to handle thanks to low dust build-up and good free flow properties.

SABO®STAB UV 228 50PP and SABO®STAB UV 229 50PP

 can be used in combination to improve performance over standard UV stabilizers in automotive interiors (e.g., dashboards and door panels) and construction (e.g., TPO roofing membranes).

 meet stringent automotive industry demands in terms of low VOC, fogging and blooming, as well as total carbon emission, thanks to their excellent polyolefin stability and compatibility.

SABO®STAB light stabilizers recommended for polypropylene-based thermoplastic olefins

	Surface crazing	Discoloration	Low emission	Gloss retention	Thermal stability	Low risk of blooming	Performance profile (under moderate to severe UV exposure)
low MW HALS + high MW HALS (1:1) Economical UV stabilization	■	■	■	■	■	■	Good balance of UV and color stability Considerable improvement of long-term thermal stability (LTTS) Excellent cost-performance balance
SABO® STAB UV 228 50PP UV stabilizers for PP-based TPO	■	■	■	■	■	■	Excellent UV and color stability Outstanding gloss retention and surface protection Low risk of blooming, low VOC Suitable for use with flame retardant systems
SABO® STAB UV 229 50PP UV stabilizers for PP-based TPO	■	■	■	■	■	■	Excellent UV and color stability Outstanding gloss retention and surface protection Low risk of blooming, low VOC Optimized cost-performance balance

- Recommended / Fully complies with criteria
- Suitable / Can be used

Storage conditions



SABO®STAB UV 228 50PP and SABO®STAB UV 229 50PP light stabilizers are supplied in granule (GR) form.

The materials should be stored indoors, in closed containers, in a dry place at temperatures between 5 and 40°C.

Exposure to direct sunlight should be avoided.

Shelf life



SABO® STAB products are stable for 12 months, provided they are stored under the conditions described above.





For further information, please go to:

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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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Please be aware that the use of the product in certain applications may be subject to patent protection in some countries.

Please consult your SONGWON representative for more information.