

SONGXTEND[®] 2721 Top-up, quality enhancing stabilization system for PP recycled resins

> SONGWON is a leading specialist in PP stabilization technology for recycling applications in the automotive industry

Thanks to its excellent physical and technical properties, SONGXTEND® 2721 improves long-term heat stability (LTTS) and ensures the quality of recycled plastics is maintained.



It's all about the chemistry™

Automotive manufacturers benefit from SONGWON's vast industry experience and sustainable production expertise.

Meets industry demands



• Increases quality and upgrades the performance of recycled-PP while extending its service life.

Provides sustainable flexibility



• Enables recycled-PP to be re-used in durable applications and concentration levels can be adjusted to meet long-term heat stability (LTTS) requirements of applications such as engine room covers, cable ducts, battery housing etc.

Offers proven reliability



- More than 50 years' manufacturing experience
- Backward integration of key raw materials and proprietary technology
- Global sales organization and dedicated local support

Delivers strong commitment



- Focused on continual innovation and improvement
- Driven to meet industry standards and EHS requirements
- Sustainability is placed at the center of all innovation
- Dedicated to meeting industry and customers' needs

SONGXTEND[®] 2721 top-up stabilization system is especially designed for PP recycled resins used in automotive interior and under-the-hood automotive parts.

SONGXTEND® 2721 improves LTTS performance and extends the service life to a possible factor 3 to 4 (depending on the quality of the recycle stream).

It also enables the re-stabilization of recycled-PP while maintaining the quality level.



SONGXTEND[®] 2721 – a sustainable solution for automotive recycling applications

SONGXTEND[®] 2721 helps to minimize the negative effect of acid residues from battery case recycling stream.

SONGWON offers expert support to manufacturers in their selection of the right stabilization system independent of the source and quality of the recycled-PP.

Substrate: Polypropylene (Co-) polymer - (Mixed) recycling stream M Reprocessed PP AO package: 1104 (Average) Remaining 1.2% SONGXTEND[®] 2721 antioxidant package from (as a top-up during recycling) initial post-reactor addition Recycling: 150°C Homogenisation (Circulating air oven) compounding & injection Sample: Reprocessed PP 1 mm injection molded plaques Conditions: Time to onset of embrittlement after exposure at 150°C (in hot air oven) 0 800 200 400 600 1000 1200 1400 Time to onset of embrittlement (hours)

Enhanced durability of recycled-PP

Storage conditions



SONGXTEND[®] 2721 is supplied in granule (GR) form.

The materials should be stored indoors in closed containers, in a dry area, at temperatures of 5° C - 40° C.

Exposure to direct sunlight should be avoided.

Shelf life



SONGXTEND[®] 2721 will remain stable for 12 months, provided it is 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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