



SONGWON expands functional monomer range

Three new products now manufactured on an industrial scale:

- **BP-Z high-purity crystalline bisphenol**
- **TMBP high-purity modified bisphenol**
- **ERM-6100 dicyclopentadiene resin range**

Ulsan, South Korea – December 19, 2019 – As announced at the European Coatings Show (ECS) this year, SONGWON is further developing and expanding its range of bisphenol (BP) monomers and dicyclopentadiene (DCPD) phenol resins. High-purity BP-Z crystalline bisphenol and tetramethyl (modified) bisphenol (TMBP) are now being produced on an industrial scale, while the dicyclopentadiene epoxy resin modifier range ERM-6100, introduced at the ECS, is already well established in the market and being used, for example, in specialty resins in Asia.

“Resin manufacturers can benefit still more from the high performance, cost efficiency and competitive prices of our functional monomers since we are now producing them in bulk,” said Heinrich Schulte, Leader of the Market Center Functional Monomers.

Functional monomers are specialty molecules that can provide a standard polymer with additional, enhanced performance effects and/or significantly increase processing performance. “Our products improve temperature resistance, electrical insulation properties, and resistance to water and moisture, for example,” explained Schulte.

The bisphenol monomer BP-Z improves the mechanical properties and heat resistance of specialty polycarbonate and polyester resins. Composed mainly of epoxy, phenolic and novolac resins, it is suitable for high-frequency, copper-clad laminates and electronic packaging and currently being assessed in 5G-compatible packaging resins in Asia.

TMBP, which has been developed to ensure the highest purity and excellent color, can be used for both epoxy and phenolic resins and is noted for increasing their glass transition temperature. SONGWON is working with customers to define new color and purity standards that will allow them to expand applications, for example in the innovative electronic sector.

ERM-6100 DCPD phenol has now qualified as a hardener for specialty resins such as benzoxazine, which is increasingly finding applications in high-performance electronic packaging. With their minimal free phenol content, the five dicyclopentadiene (DCPD) phenol resins each have a different softening point, functionality and viscosity, and they can therefore cover a wide variety of requirements.

SONGWON started selling its functional monomers in Europe this year and will launch them in USA in 2020.

About Songwon Industrial Co., Ltd.

SONGWON, which was founded in 1965 and is headquartered in Ulsan, South Korea, is a leader in the development, production and supply of specialty chemicals. The second largest manufacturer of polymer stabilizers worldwide, SONGWON Industrial Group operates companies all over the world, offering the combined benefits of a global framework and readily accessible local organizations. Dedicated experts work closely together with customers to develop tailor-made solutions that meet individual requirements.

For further information, please go to: www.songwon.com.

Photo Caption



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(Photo: Songwon Industrial Co., Ltd.)

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SWPR212EN1219
Issued on 19-December-2019

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