

## Solvay's Zeniva® PEEK Passes Biocompatibility Testing in China

*Versatile thermoplastic biomaterial to meet growing demand  
for implantable medical devices in Asia*

**Shanghai, China, March. 15, 2016** – Solvay Specialty Polymers, a leading global supplier of high-performance polymers, announced today that Zeniva® polyetheretherketone (PEEK), one of the four products comprising its family of Solviva® Biomaterials offered for use in implantable devices, has successfully passed the biocompatibility testing at the China Food and Drug Administration's Tianjin Medical Device Quality Supervision and Inspection Center.

“Obtaining this important biocompatibility testing report facilitates the strategic implementation and launching of Solviva® Biomaterials in the China market place,” said Kendra Shoulders, Director of Global Regulatory Affairs for Healthcare, Solvay Specialty Polymers. “This essential recognition will help local medical OEMs to gain regulatory approval from the China Food and Drug Administration for their implantable devices.”

The inspection center at Tianjin is recognized as the most influential testing agency in the field of orthopedics in China. The test took over a year to complete and during this lengthy process, properties of Zeniva® PEEK such as sensitization, intracutaneous toxicity, acute systemic toxicity, sub-chronic toxicity, genotoxicity and bone implant compatibility tests were rigorously examined to ensure biological safety in the human body, an absolute priority for implantable medical devices.

“Solvay's experience as a key materials supplier to the healthcare industry spans more than 25 years. With our broad product portfolio we are firmly positioned as a strategic supplier to the Chinese healthcare industry,” added Dr. Luke Du, Managing Director Asia, and Executive Vice President Solvay Specialty Polymers. “Obtaining this local and important biocompatibility testing report for Zeniva® PEEK signals our further commitment to both national and multi-national medical OEMs.”

Zeniva® PEEK boasts a modulus very close to that of cortical bone plus excellent fatigue resistance and toughness. It is offered for use in implantable medical devices for spine, orthopedics, cardiovascular and dental applications. In addition, Zeniva® PEEK offers numerous advantages over metals, such as reduction of stress shielding, no heavy metal allergy or ion erosion, and has radiolucent properties which allow x-ray and CT scanning procedures without interference.

Solvay's family of Solviva® Biomaterials has been commercially available in China since 2013. In addition to Zeniva® PEEK, the product line features Veriva® polyphenylsulfone (PPSU), which combines unsurpassed toughness with transparency and excellent biocompatibility; and Eviva® polysulfone (PSU), a transparent, biocompatible polymer that offers high strength and toughness.

Solviva® Biomaterials can be sterilized using all conventional methods including gamma radiation, ethylene oxide, and steam. These sterilizable products are available in grades for injection molding or extrusion, as well as stock shapes for machined components.

The entire range of thermoplastic Solviva® Biomaterials is manufactured in an ISO 13485 registered facility and under the relevant aspects of current Good Manufacturing Practices. Solvay's biomaterial manufacturing processes are carefully validated, and enhanced controls provide product traceability. In addition, all materials are tested in an ISO 17025 accredited lab.

# # #

 [Follow us on twitter @SolvayGroup](#)

#### About Solvay Specialty Polymers

Solvay Specialty Polymers manufactures over 1500 products across 35 brands of high-performance polymers – fluoropolymers, fluoroelastomers, fluorinated fluids, semi-aromatic polyamides, sulfone polymers, aromatic ultra-high performance polymers, high-barrier polymers and cross-linked high-performance compounds – for use in Aerospace, Alternative Energy, Automotive, Healthcare, Membranes, Oil and Gas, Packaging, Plumbing, Semiconductors, Wire & Cable, and other industries. Learn more at [www.solvayspecialtypolymers.com](http://www.solvayspecialtypolymers.com).

An international chemical and advanced materials company, Solvay assists its customers in innovating, developing and delivering high-value, sustainable products and solutions which consume less energy and reduce CO2 emissions, optimize the use of resources and improve the quality of life. Solvay serves diversified global end markets, including automotive and aerospace, consumer goods and healthcare, energy and environment, electricity and electronics, building and construction as well as industrial applications. Solvay is headquartered in Brussels with about 30,000 employees spread across 53 countries. It generated pro forma net sales of € 12.4 bn in 2015, with 90% made from activities where it ranks among the world's top 3 players. Solvay SA (SOLB.BE) is listed on Euronext in Brussels and Paris (Bloomberg: SOLB.BB - Reuters: SOLB.BR).

#### Press Contacts:

##### **Jun Wu**

Solvay Specialty Polymers  
+86 21 2350 1326  
[jun.wu@solvay.com](mailto:jun.wu@solvay.com)

##### **Alberta Stella**

Solvay Specialty Polymers  
+39 02 2909 2865  
[alberta.stella@solvay.com](mailto:alberta.stella@solvay.com)

##### **Alan Flower**

Industrial Media Relations  
+32 474 117 091  
[alan.flower@indmr.com](mailto:alan.flower@indmr.com)