

May 29, 2014

Mitsui Chemicals, Inc.

Mitsui Chemicals Organic EL Sealant STRUCTBOND™XMF-T used in LG Electronics Smartphone “G Flex”

Mitsui Chemicals, Inc. (Tokyo:4183) transparent organic EL (OLED) sealant “Structbond™ XMF-T” is used in curved OLED displays. LG Electronics, Inc. is currently offering its “G Flex” with curved smartphone displays throughout South Korea, the United States, Europe, and Japan.



Curved organic EL display
smartphone “G Flex”
(photo courtesy of LG Electronics)

OLEDs are not only thin and lightweight with excellent energy saving characteristics but also have outstanding high-definition color reproducibility. Although market expansion was forecasted, OLED use was limited by inherent traits including deterioration from contact with moisture and oxygen. In addition, sealing technology was a prime issue in development of more flexible and larger displays. Mitsui Chemicals’ OLED sealing material “Structbond™ XMF-T”, with its high barrier properties, moisture resistance, transparency, and process manageability, resolved these issues.

“Structbond™ XMF-T” allows innovative advances in sealing methods for displays thereby allowing greater flexibility and strength. “Structbond™ XMF-T” technology contributes to LG Electronics G Flex’s high market reputation for its highly usable curved surface design and durable high-definition display.



MITSUI CHEMICALS, INC.

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With “Structbond™ XMF-T”, the design flexibility of OLEDs is greatly enhanced allowing wider and increased applications including wearable electronics and lighting. Mitsui Chemicals, through this and its many other products, will continue to contribute to a better future for people around the world.

About [Mitsui Chemicals](#)

Mitsui Chemicals (Tokyo:4183, ISIN:JP3888300005) contributes broadly to society by providing high-quality products and services to customers through innovations and creation of materials and products while keeping in harmony with the global environment. Mitsui Chemicals’ business portfolio includes healthcare, automotive materials, food packaging, energy, agrochemicals, and others.

The Mitsui Chemicals Group traces its origins back to 1912. The Group now has over 135 companies and around 14,500 employees in 27 countries worldwide. In the fiscal year ending March 2014, the Group posted consolidated sales of US\$ 15,660 million.

More information can be found at <http://www.mitsuichem.com/index.htm>

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