



Dow Silicones Corporation and DuPont Showcase at Compamed a Combined Portfolio of Innovative Materials for Advancing Medical Device Design

The two companies bring together complementary silicones and polymers technologies to offer customers unique design solutions to meet patient and clinician needs and address healthcare industry trends

Düsseldorf, Germany – 12 November 2018 – Dow Silicones Corporation and DuPont (DowDuPont Specialty Products Division) are featuring here at Compamed 2018 their combined, extensive portfolio of silicone elastomers, adhesives and fluids, and medical grade specialty polymers. Backed by Dow's 60 years of silicone technology expertise and DuPont's 80 years of specialty polymers capabilities, the two companies bring together a rich history in materials research, application development, technology innovation and regulatory compliance to help customers explore new design directions in drug delivery devices and wearable technologies. Compamed attendees can learn more about these materials at the Dow Silicones/DuPont exhibit, located in hall 8A at stand M27.

"Dow Silicones' growing array of silicone-based materials – such as the new soft skin adhesive we're launching here at Compamed – have been proven safe and beneficial in many different healthcare applications," said Marie Crane, global medical device leader, Dow Silicones Corporation. "Our continuous innovation in silicone adhesives is enabling development of new wearable devices, while advances in liquid silicone rubber, such as selective adhesion onto resin substrates, opens new design opportunities. In conjunction with DuPont specialty polymers, our joint technologies offer tremendous versatility for device manufacturers."

Silicone-based Solutions

At Compamed, Dow Silicones Corporation is launching its new DOW CORNING™ MG7-1020 Soft Skin Adhesive, which delivers the highest adhesion in the company's soft skin adhesives portfolio, plus extended wear – all without the skin irritation and discomfort more commonly associated with the removal of acrylic adhesives. Also featured are additional products from this portfolio that offer diverse adhesion levels. Each are two-part, platinum-catalyzed, filler-free silicone elastomers and adhesives, designed for a range of applications in medical device fabrication, wound care and transdermal drug delivery.

The company is also exhibiting two pressure-sensitive adhesives (PSAs) for non-sensitizing, non-irritating adherence of medical devices. DOW CORNING™ MG7-2402 and DOW CORNING™ MG7-2502 adhesives offer biocompatibility, high adhesion and skin conformity, and extended wear time. These one-part, solvent-based products offer the highest adhesion rate compared to other soft skin adhesives.

Dow Silicones is showing several applications for its QP1 family of liquid silicone rubbers (LSRs) that will demonstrate the versatility of these materials in the injection molding process.

High-performance Thermoplastics

DuPont is displaying here at Compamed applications that use its Zytel® polyamide (PA), Crastin® polybutylene terephthalate (PBT) and Delrin® polyoxymethylene (POM) engineering thermoplastics. These include applications such as surgical devices and self-administrated drug delivery systems.

DuPont specialty polymers offer excellent dimensional stability combined with resistance to creep, that make them appropriate for high-load mechanical applications. In addition, grades are available that combine low friction and high wear resistance making them suitable for ratchets and gear mechanisms such as in healthcare delivery devices.

“On their own, DuPont specialty polymers deliver critical properties required for demanding healthcare device applications,” said Michael Johnson, global R&D director for Healthcare, Lubricants, and Fluids, Dow Silicones Corporation. “When these thermoplastics are combined with Dow silicones elastomers, adhesives and fluids, the benefits to our customers can be exponential. These synergies will be increasingly valuable as designers look for unique combinations of materials to support breakthroughs in monitoring and treatment technologies, such as wearables and wirelessly connected devices.”

Dow Silicones and DuPont experts are available throughout the show to discuss this expanded portfolio of medical-grade thermoplastics, adhesives, elastomers and fluids.

About DuPont Transportation & Advanced Polymers

DuPont Transportation & Advanced Polymers (T&AP), a DowDuPont Specialty Products Division business, delivers a broad range of technology-based products and solutions to the transportation, electronics, industrial and consumer markets. T&AP partners with its customers to drive innovation by utilizing its expertise and knowledge in polymer and materials science. T&AP works with customers throughout the value chain to enable material systems solutions for demanding applications and environments.

About DowDuPont Specialty Products Division

DowDuPont Specialty Products, a division of DowDuPont (NYSE: DWDP), is a global innovation leader with technology-based materials, ingredients and solutions that help transform industries and everyday life. Our employees apply diverse science and expertise to help customers advance their best ideas and deliver essential innovations in key markets including electronics, transportation, building and construction, health and wellness, food and worker safety. DowDuPont intends to separate the Specialty Products division into an independent, publicly traded company. More information can be found at www.dow-dupont.com.

###

®™ Trademark of DowDuPont, The Dow Chemical Company, E.I. du Pont de Nemours and Company, or their affiliates.

For further information contact:

DuPont Transportation & Advanced Polymers

Roseanne Durril

roseanne.e.durril@dupont.com

+1.302.518.3230

AH&M Marketing Communications

Joe Bennett

jbennett@ahminc.com

+1.413.448.2260, Ext. 470

DuPont Transportation & Advanced Polymers

Hélène Lebrun

helene.lebrun@dupont.com

+41 (0)22 717 58 53



© Dow Silicones Co.

Dow Silicones Corporation and DuPont Showcase at Compamed a Combined Portfolio of Innovative Materials for Advancing Medical Device Design



PHOTO: Dow Silicones Corporation and DuPont Stand at Compamed 2018 (Hall 8A at Stand M27)



PHOTOS: Dow Silicones and DuPont's Combined Portfolio of Advanced Medical Grade Solutions Support New Design Capabilities in Adhesives (Left), a Fluid Delivery Pump (Middle) and Drug Delivery Devices, such as Insulin Injector Pens (Right)

Dow Silicones Corporation and DuPont (DowDuPont Specialty Products Division) are featuring here at Compamed 2018 their combined, extensive portfolio of silicone elastomers, adhesives and fluids, and medical grade specialty polymers. Backed by Dow's 60 years of silicone technology expertise and DuPont's 80 years of specialty polymers capabilities, the two companies bring together a rich history in materials research, application development, technology innovation and regulatory compliance to help customers explore new design directions in drug delivery devices and wearable technologies. Compamed attendees can learn more about these materials at the Dow Silicones/DuPont exhibit, located in hall 8A at stand M27.