



## Press Information

**Dow Corning Corporation**  
A wholly owned subsidiary of  
The Dow Chemical Company  
2200 W. Salzburg Rd.  
PO Box 994  
Auburn, MI 48611

[dowcorning.com](http://dowcorning.com)

### **Dow Launches at MD&M West 2018 its Most Versatile Liquid Silicone Rubber (LSR) Grades to Date to Expand Medical Device Design Innovation**

**ANAHEIM, Calif. – February 6, 2018 – Dow Medical Solutions**, a business unit of the DowDuPont Specialty Products Division, launched today to the U.S. healthcare market two new *Dow Corning*<sup>®</sup> QP1-33X0 Liquid Silicone Rubber (LSR) grades and new *Dow Corning*<sup>®</sup> QP1-5040 Self-Adhesive LSR grade. Each is a low-temperature cure (LTC) technology. These new additions to the company's portfolio of LSR solutions support a broader range of rigid plastic substrates in overmolding applications and can enhance patients' experiences, while delivering manufacturing and cost advantages. Dow Medical Solutions unveiled the new materials here at MD&M West 2018, in booth #2021, Hall D.

"Population aging is driving the need for greater affordability, usability and comfort in medical devices, and our innovative LSRs can make an important contribution to a wide range of applications," said Marie Crane, medical materials market leader for Dow Medical Solutions. "Our ability to translate market insights into advanced technology is helping our customers and the industry as a whole, create new, targeted products that positively impact patients' lives, and help ensure business success."

#### **New-generation Elastomers**

Medical device manufacturers continually face increased pressure to produce innovative, functional products to successfully navigate the \$390+ billion<sup>1</sup> industry. These device makers spend about seven percent of their revenue<sup>2</sup> on research and development. This significant investment demands the high-performance and benefits that materials such as Dow's newly announced LSR products can provide.

New *Dow Corning*<sup>®</sup> QP1-33X0 Liquid Silicone Rubber grades deliver breakthrough low-temperature cure properties, making it feasible to use them with heat-sensitive substrates such as copolyesters. These new LSR grades give medical device designers expanded material options. At the same time, they also allow fast injection speeds whilst maintaining low injection pressure.

*Dow Corning*<sup>®</sup> QP1-5040 Self-Adhesive Liquid Silicone Rubber provides strong, durable, primerless adhesion to copolyester, as well as a low-temperature cure that aligns with the processing requirements of this heat-sensitive substrate. It allows device designers to take advantage of copolyester's exceptional resistance to harsh chemicals found in cleaners, disinfectants and treatment solutions. *Dow Corning*<sup>®</sup> QP1-5040 LSR also allows reasonable molding cycle times and is suitable for two-components and insert molding.

Dow Launches at MD&M West 2018 its Most Versatile Liquid Silicone Rubber (LSR) Grades to Date to Expand Medical Device Design Innovation

*Dow Corning*® QP1-33X0 Liquid Silicone Rubber grades and *Dow Corning*® QP1-5040 Self-Adhesive Liquid Silicone Rubber also offer improved rheology – an advantage over traditional materials – which helps to optimize processing.

Dow commercial and technical experts are available at the company's booth for the duration of MD&M West 2018 to discuss these new innovations and the company's full product offering, including high consistency rubbers and silicone adhesives, as well as provide insight on overarching trends in the medical industry.

### **About Dow Medical Solutions**

Dow Medical Solutions, a business of DowDuPont Specialty Products Division, designs differentiated solutions that help address some of the most pressing medical challenges today. We develop medical-grade elastomers, adhesives and coatings to facilitate the fabrication and attachment of a broad range of medical and prosthetic devices. More information can be found at [www.dowcorning.com/healthcare](http://www.dowcorning.com/healthcare).

### **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](http://www.dow-dupont.com).

###

For further information contact:

**Brittney Quider-Zabawski**  
Dow Medical Solutions  
+ 1.989.496.5933  
[brittney.quider@dowcorning.com](mailto:brittney.quider@dowcorning.com)

**Joe Bennett**  
AH&M Marketing Communications  
+1.413.448.2260, Ext. 470  
[jbennett@ahminc.com](mailto:jbennett@ahminc.com)



<sup>1,2</sup> Bean, Mackenzie. 10 Medical Device Trends for 2017. *Becker's Hospital Review*. 5 Jan. 2017.  
[www.beckershospitalreview.com/supply-chain/10-medical-device-trends-for-2017.html](http://www.beckershospitalreview.com/supply-chain/10-medical-device-trends-for-2017.html).

## Dow Launches at MD&M West 2018 its Most Versatile Liquid Silicone Rubber (LSR) Grades to Date to Expand Medical Device Design Innovation

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

Dow Launches at MD&M West 2018 its Most Versatile Liquid Silicone Rubber (LSR) Grades to Date to Expand Medical Device Design Innovation

## Dow Launches at MD&M West 2018 its Most Versatile Liquid Silicone Rubber (LSR) Grades to Date to Expand Medical Device Design Innovation



© Dow

**PHOTO: Dow Medical Solutions' new liquid silicone technologies can deliver manufacturing and cost advantages to a variety of medical devices.**

**Dow Medical Solutions**, a business unit of the DowDuPont Specialty Products Division, launched today to the U.S. healthcare market two new *Dow Corning*<sup>®</sup> QP1-33X0 Liquid Silicone Rubber (LSR) grades and new *Dow Corning*<sup>®</sup> QP1-5040 Self-Adhesive LSR. Each is a low-temperature cure (LTC) technology. These new additions to the company's portfolio of LSR solutions support a broader range of rigid plastic substrates in overmolding applications and can enhance patients' experiences, while delivering manufacturing and cost advantages. Dow Medical Solutions unveiled the new materials here at MD&M West 2018, in booth #2021, Hall D.

###