

## Dow Corning® brand Silicone Surfactants for Polyurethane Foam

### The Dow Corning Advantage

- An extensive portfolio of proven silicone surfactants for polyurethane foam applications
- A trusted global supply of consistent, high-quality products
- Knowledge-sharing; collaborative innovation and problem-solving support

### A reliable supply of proven, high-quality materials from a brand you can trust

You need a supplier that can deliver the high-quality silicone surfactants you require, on time and in-spec – a supplier with the technical expertise needed to help you optimize your system, solve problems and develop innovative products for your customers.

Depend on Dow Corning. Known and trusted worldwide as a provider of silicone products and innovation, Dow Corning brings you:

- 70+ years of experience in silicone materials science
- Three decades of experience in the development, production and customization of silicone surfactants for polyurethane foam applications
- An extensive toolbox of proven *Dow Corning*® brand silicone surfactants for flexible, rigid and microcellular polyurethane foam

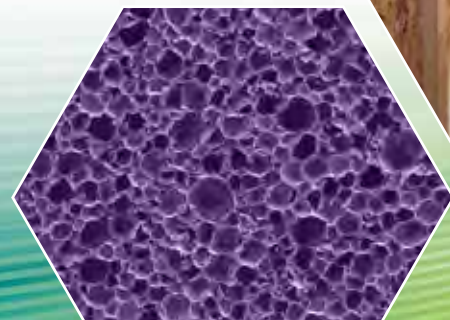
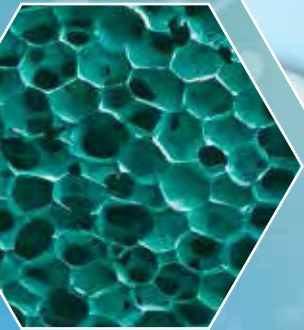
### Collaborative innovation and problem-solving support































Understanding how a silicone surfactant will interact with your system is critical to your success. While other silicone suppliers may guard this knowledge, Dow Corning is poised to readily share its deep understanding of silicone surfactant technology.

When you choose silicone surfactants from Dow Corning, our team will work with you to ensure that you understand not only how the surfactant affects polyurethane foam formulation but also how you can maximize its ability to achieve desired foam characteristics. It's all part of our commitment to support innovation and growth across the polyurethane foam industry through the power of collaboration.

### Explore our extensive toolbox of proven silicone surfactants

Silicone surfactants from Dow Corning can increase the compatibility of your raw materials and decrease the surface tension of your polyurethane foam system. They improve emulsification and nucleation, prevent coalescence, and stabilize cell membranes.



Product Name	Description	Physical Properties				Suggested Polyurethane Foam Applications			
		Viscosity at 25°C, mPa·s	Calculated OH #, mg KOH/g	Specific Gravity at 25°C	Water Solubility	Flexible Foam		Rigid Foam	Microcellular Foam
						Slabstock	Molded		
Dow Corning® 193 Additive	General-purpose surfactant for rigid foam applications; also can be used for footwear (shoe sole) and integral skin applications	305	75	1.08	Soluble				
Dow Corning® 198 Additive	High-efficiency surfactant for flexible slabstock foam	2,000	0	1.04	Soluble				
Dow Corning® 1190 Additive	Surfactant for flexible slabstock foam	1,250	0	1.04	Soluble				
Dow Corning® 1280 Additive	Surfactant for flexible slabstock foam	530	100	1.03	Soluble				
Dow Corning® 1605 Additive	Surfactant for insulation panels and spray foam; also can be used for footwear (shoe sole) applications	150	148	1.06	Soluble				
Dow Corning® 1718 Additive	General surfactant for hydrocarbon- and water-blown rigid foam systems	870	50	1.05	Soluble				
Dow Corning® 1919 Additive	Surfactant for flexible slabstock foam and rigid insulation foam, including spray foam systems	1,035	350	1.03	Soluble				
Dow Corning® 1952 Additive	Surfactant for slow-recovery slabstock foam and mechanical froth foam	13,200	34	1.0	Insoluble				
Dow Corning® 1959 Additive	Surfactant for mechanical froth foam	11,600	0	0.94	Insoluble				
Dow Corning® 1990 Additive	Surfactant for polyester flexible slabstock foam applications with low emission requirements; can be used in flexible molded foam for cell opening and for rigid foam applications	730	0	1.04	Insoluble				
Dow Corning® 2525 Additive	Stabilizer surfactant for MDI and TDI/MDI molded foam systems	85	58	0.98	Insoluble				
Dow Corning® 2585 Additive	Surfactant for cold-cure, flexible MDI molded foam and energy-absorbing NVH systems	75	58	0.98	Insoluble				
Dow Corning® 2936 Additive	Surfactant for cold storage and construction insulated-panel systems	290	0	1.05	Soluble				
Dow Corning® 2937 Additive	General-purpose surfactant for rigid foam; also can be used for microcellular foam	760	38	1.04	Soluble				
Dow Corning® 2938 Additive	Surfactant for PUR/PIR insulation panels, hydrocarbon-blown appliance systems and water-blown spray foam	370	0	1.04	Soluble				
Dow Corning® 2945 Additive	Surfactant for construction panel applications	560	48	1.07	Soluble				
Dow Corning® 3274 Additive	Surfactant for TDI/MDI HR molded foam systems	140	40	0.98	Insoluble				
Dow Corning® 3607 Additive	Surfactant for ester slabstock foam and TDI/MDI HR molded foam systems; also can be used for urethane elastomer foam and footwear (shoe sole) applications	1,020	58	1.05	Insoluble				
Dow Corning® 5043 Additive	Surfactant for TDI HR molded and slabstock foam applications; also can be used for microcellular foam	280	28	1.0	Insoluble				

Product Name	Description	Physical Properties				Suggested Polyurethane Foam Applications			
		Viscosity at 25°C, mPa·s	Calculated OH #, mg KOH/g	Specific Gravity at 25°C	Water Solubility	Flexible Foam		Rigid Foam	Microcellular Foam
						Slabstock	Molded		
<i>Dow Corning</i> ® 5125 Additive	Wide-processing-latitude surfactant for TDI conventional and flame-resistant polyether slabstock foams	950	0	1.05	Soluble	●			
<i>Dow Corning</i> ® 5160 Additive	Medium-efficiency surfactant for TDI polyether slabstock foam; can be used in MDI high-density molded foam; also can be used for high-density rigid molded foam	1,080	0	1.05	Soluble	●	●	●	
<i>Dow Corning</i> ® 5164 Additive	General-purpose surfactant for TDI HR molded foam and TM systems	290	27	1.0	Insoluble		●		
<i>Dow Corning</i> ® 5357 Additive	Surfactant for appliance and insulation panels, including pour-in-place applications	310	54	1.04	Soluble			●	
<i>Dow Corning</i> ® 5374 Additive	Surfactant for pentane-blown rigid foam systems	585	50	1.04	Soluble			●	
<i>Dow Corning</i> ® 5575 Additive	General-purpose surfactant for multiple PUR/PIR rigid foam applications	550	52	1.04	Soluble			●	
<i>Dow Corning</i> ® 5604 Additive	General-purpose rigid foam surfactant	320	59	1.05	Soluble			●	
<i>Dow Corning</i> ® 5811 Additive	Surfactant for flexible slabstock and box foam	300	536	1.03	Soluble	●			
<i>Dow Corning</i> ® 5950 Additive	Medium-efficiency surfactant that exhibits improved flame-retardant properties of flexible slabstock foam	1,330	0	1.03	Soluble	●			
<i>Dow Corning</i> ® 5952 Additive	High-efficiency surfactant for use in liquid carbon-dioxide-blown/acetone-blown slabstock foams; improves efficient utilization of flame-retardant additives in FR foams	590	419	1.03	Soluble	●			
<i>Dow Corning</i> ® 5987 Additive	High-efficiency surfactant for use in liquid carbon-dioxide-blown/acetone-blown slabstock foams; provides efficient utilization of FR additives and fine cell structure	800	335	1.03	Soluble	●			
<i>Dow Corning</i> ® 6070 Additive	Low-emission surfactant for TDI molded foam and HR slabstock systems	70	51	0.98	Soluble	●	●		

## Global resources and local support

Dow Corning has an extensive network of sales, application engineering, product development, manufacturing and delivery capabilities around the globe. You can depend on us for a readily available supply of consistent, high-quality silicone surfactants and technical support when and where you need it.

The *Dow Corning*<sup>®</sup> brand has earned a reputation for quality, consistency and dependability in dozens of industries around the globe. This includes many of the industries you serve, such as: construction, transportation, textiles, appliances, consumer goods, electronics and packaging.

For product information, samples, and sales or technical support, visit the new Dow Corning Polyurethane Additive Solutions website, [pu-surfactants.com](http://pu-surfactants.com). Or connect with us online at [dowcorning.com/ContactUs](http://dowcorning.com/ContactUs).

## Your Global Connection

<b>North America</b>	Direct Dial: +1 989 496 7875 Toll Free: 1 800 248 2481
<b>South America</b>	+55 19 3886 9600
<b>Europe</b>	+32 64 888 000
<b>Asia</b>	+86 21 3899 5500



Photos: Page 1 - AV24613, AV24866, AV25023, AV24865; Page 2 - AV22405, AV11275

### HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT [DOWCORNING.COM](http://DOWCORNING.COM), OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

### LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

**DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

*Dow Corning* is a registered trademark of Dow Corning Corporation.

*We help you invent the future.* is a trademark of Dow Corning Corporation

©2015, 2016 Dow Corning Corporation. All rights reserved.

**DOW CORNING**

*We help you  
invent the future.*<sup>™</sup>

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

AGP14514

Form No. 26-2092B-01