



# VERIFIFY 3300

## Elastomer

VERIFIFY™ 3300 Elastomer can be used for stretch cling, elastic film and as a blend component in thermoplastic elastomers and thermoplastic olefins. It is a particularly good choice for cast stretch film sealants.

When used as cling additive the grade generates higher unstretched film cling levels and can be used in blends at lower addition levels than needed with VLDPE. It gives consistent performance in hot and cold conditions, retains its characteristics over extended periods and delivers lower noise levels.

**Note:** VERIFIFY™ 3300 Elastomer complies with:  
 US FDA FCN 449 and with EU-Directive 2002/72/EC  
 EU-Directive 2002/72/EC  
 Consult the regulations for complete details.

Properties	Test Method	SI		ENGLISH	
		Units	Values <sup>(1)</sup>	Units	Values <sup>(1)</sup>
<b>Physical</b>					
Melt Flow Rate (230 °C, 2.16kg)	ASTM D-1238	g/10min	8	-	-
Density	ASTM D-792	g/cm <sup>3</sup>	0.866	-	-
<b>Mechanical<sup>(2)</sup></b>					
Hardness, Shore A	ASTM D-2240	-	86	-	-
Tensile Strength at Yield <sup>(3)</sup>	ASTM D-638	MPa	3.3	psi	480
Tensile Elongation at Yield <sup>(3)</sup>	ASTM D-638	%	73	-	-
Tensile Modulus, 100% Secant <sup>(3)</sup>	ASTM D-638	MPa	3.4	psi	490
Flexural Modulus	ASTM D-790A	MPa	35	psi	5100
<b>Thermal</b>					
DSC Glass Transition Temperature, T <sub>g</sub>	Dow Method	°C	-28	°F	-18
Vicat Softening Point	ASTM D-1525	°C	29	°F	84
<b>Optical<sup>(4)</sup></b>					
Clarity	ASTM D-1746	%	> 99	-	-
Gloss (45°)	ASTM D-2457	-	> 80	-	-
Haze	ASTM D-1003	%	< 15	-	-

- (1) Typical values, not to be construed as specifications. Users should confirm results by their own tests.
- (2) Measured in injection molded samples, aged two weeks (± 3 days) prior to testing.
- (3) Strain rate of 50mm/min.
- (4) Measured in Injection molded specimens (2 mm thickness).

## Product Stewardship

The Dow Chemical Company and its subsidiaries ("Dow") has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our Product Stewardship program rests with each and every individual involved with Dow products — from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

## Medical Applications Policy

**NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS:** Dow will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

- long-term or permanent contact with internal bodily fluids or tissues. "Long-term" is contact which exceeds 72 continuous hours (or for PELLETHANE™ Polyurethane Elastomers only, which exceeds 30 days);
- use in cardiac prosthetic devices regardless of the length of time involved ("cardiac prosthetic devices" include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);
- use as a critical component in medical devices that support or sustain human life; or
- use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

Dow requests that customers considering use of Dow products in medical applications notify Dow so that appropriate assessments may be conducted.

Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful, and technically suitable for the intended use. **DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.**

## Disclaimer

**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, the Customer is responsible for determining whether products and the information in this document are appropriate for the Customer's use and for ensuring that the Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Dow assumes no obligation or liability for the information in this document. **NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.**

**NOTICE:** If products are described as "experimental" or "developmental": (1) product specifications may not be fully determined; (2) analysis of hazards and caution in handling and use are required; (3) there is greater potential for Dow to change specifications and/or discontinue production; and (4) although Dow may from time to time provide samples of such products, Dow is not obligated to supply or otherwise commercialize such products for any use or application whatsoever.

## Additional Information

<b>North America</b>		<b>Europe/Middle East</b>	+800-3694-6367
U.S. & Canada:	1-800-441-4369		+32-3-450-2240
	1-989-832-1426		
Mexico:	+1-800-441-4369		
<b>Latin America</b>		<b>South Africa</b>	+800-99-5078
Argentina:	+54-11-4319-0100		
Brazil:	+55-11-5188-9000		
Colombia:	+57-1-219-6000	<b>Asia Pacific</b>	+800-7776-7776
Mexico:	+52-55-5201-4700		+60-3-7958-3392

[www.dowplastics.com](http://www.dowplastics.com)

Published November 2007  
© 2007 The Dow Chemical Company

