



## VERSIFY™ 2400 Elastomer

VERSIFY™ 2400 Elastomer is a resin with a low melt flow rate making it suitable for extrusion and calendering processes. It has excellent compatibility with PP and is useful agent to bring softness and temperature performance.

Note: VERSIFY 2400 Elastomer complies with US FDA FCN 449. When used unmodified for food contact applications, this resin will comply with the Federal Food, Drug and Cosmetic Act as a food contact substance (FCN) as a result of a pre-market notification with an effective date of October 20, 2004 under FDN 449. this notification allows for use of this product as articles used in contact with all food types under Condition of Use A through H, as described in US FDA Table 2 of 21 CFR § 176.170(c). Consult the regulations for complete details.

The composition of this product complies with the requirements for use in contact with food of the EU-Directive 2002/72/EC. Contact a Dow Sales Office to obtain a detailed food compliance letter for this product.

### Main Characteristics

- Pellet
- Low Melt Flow Rate
- Free Flowing
- Compatible with PP
- Soft polypropylene
- Low Crystallinity

### Applications

- Membranes
- Highly filled compounds
- Extrusion Applications

### Product Characteristics

Properties	Test Method	Units	Value	Method	Units	Value
<b>Physical</b>						
Melt Flow Rate (230°C, 2.16kg)	ASTM D 1238	g/10 min	2	ISO 1133	g/10 min	2
Density	ASTM D 792	g/cm <sup>3</sup>	0.8585	ISO 1183	g/cm <sup>3</sup>	0.8585
<b>Mechanical<sup>(2)</sup></b>						
Hardness, Shore A	ASTM D 2240	-	68	ISO 868	-	60
Hardness, Shore D	ASTM D 2240	-	18	ISO 868	-	14
Tensile Strength at Yield	ASTM D 638	psi	270	ISO 527-1.2	Mpa	1
Ultimate Tensile Strength	ASTM D 638	Psi	858	ISO 527-1.2	Mpa	3
Tensile Elongation at break <sup>(3)</sup>	ASTM D 638	%	647	ISO 527-1.2	%	> 650
Flexural Modulus (1% Secant)	ASTM D-790	psi	2,000	ISO 178	Mpa	6.3
<b>Thermal</b>						
Total Crystallinity	Dow Method	%	7			
Glass Transition Temperature	Dow Method	°F	-27	Dow Method	°C	-33
<b>Optical<sup>(4)</sup></b>						
Clarity	ASTM D 1746	%	72			
Haze	ASTM D 1003	%	6			

- (1) Typical values, not to be construed as specifications. Users should confirm results by their own tests.
- (2) Measured in compression 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).

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- b. 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);
- c. use as a critical component in medical devices that support or sustain human life; or
- d. use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

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## Additional Information

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