



VERSIFY™ 2300

Elastomer

VERSIFY™ 2300 Elastomer generates the optimum performance balance for blown stretch hoods – the wrapping that ensures the integrity of goods pallets being stored and transported.

It provides excellent elasticity and good holding force at equal or better cost than competitor solutions. The film improves pallet stability, delivers better tear resistance and makes recycling and disposal much simpler.

The grade is also ideally suited to a range of calendering and extruded applications and as a blend component for thermoplastic elastomers.

Note: VERSIFY™ 2300 Elastomer complies with US FDA FCN 449 and with EU-Directive 2002/72/EC. 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 premarket notification with an effective date of October 20, 2004 under FCN 449. This notification allows for use of this product as articles or components of articles used in contact with all food types under Condition of Use A through H, as described in U.S. 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 contact compliance letter for this product. Such a letter covers the food contact status of this product in the various European countries and in addition gives information about the imposed migration requirements.

Properties	Test Method	SI		ENGLISH	
		Units	Values ⁽¹⁾	Units	Values ⁽¹⁾
Physical					
Melt Flow Rate (230 °C, 2.16kg)	ASTM D-1238	g/10min	2	-	-
Density	ASTM D-792	g/cm ³	0.866	-	-
Ethylene Content	Dow Method	Weight %	12	-	-
Mechanical⁽²⁾					
Hardness, Shore A	ASTM D-2240	-	88	-	-
Tensile Strength at Yield ⁽³⁾	ASTM D-638	MPa	3.1	psi	450
Tensile Elongation at Yield ⁽³⁾	ASTM D-638	%	63	-	-
Tensile Modulus, 100% Secant ⁽³⁾	ASTM D-638	MPa	3.2	psi	460
Flexural Modulus	ASTM D-790A	MPa	32	psi	4600
Thermal					
DSC Glass Transition Temperature, Tg	Dow Method	°C	-28	°F	-18
Vicat Softening Point	ASTM D-1525	°C	30	°F	87
Optical⁽⁴⁾					
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).

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- 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.

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Additional Information

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