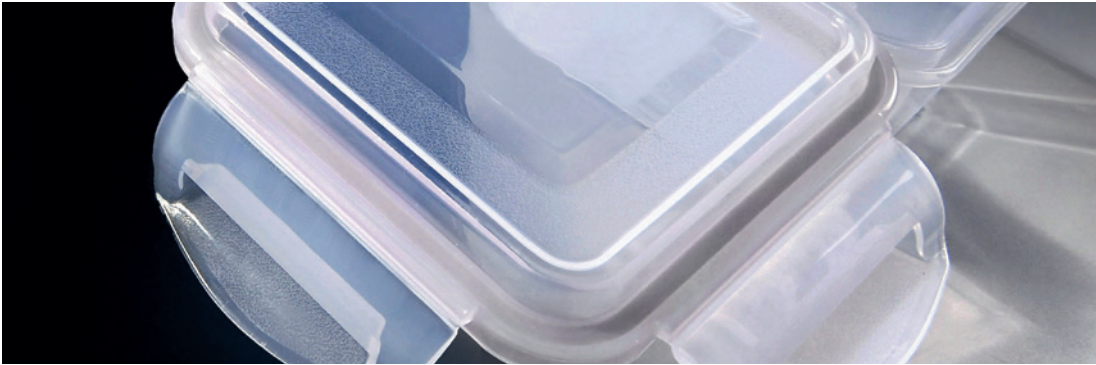


# Vistamaxx™ PBE Gradeslate



Create new possibilities for adhesive, film, nonwoven, compounding and polymer modification applications. Based on proprietary metallocene technology, Vistamaxx™ propylene-based elastomer (PBE) can be processed in many ways, including blown film, cast film, extrusion, extrusion coating, injection molding, meltblown and spunbond nonwovens.

## Typical properties

Grade	Ethylene content ExxonMobil method weight %	MFR ExxonMobil method g/10 min	Melt index <sup>(1)</sup> 190°C/2.16 kg ASTM D1238** g/10 min	Density <sup>(2)</sup> 23°C ASTM D1505** g/cm <sup>3</sup>
3000	11	8	3.6	0.873
3020FL*	11	3	1.1	0.874
3980FL*	9	8	3.7	0.878
6102/6102FL*	16	3	1.4	0.862
6202/6202FL*	15	20	9.1	0.863

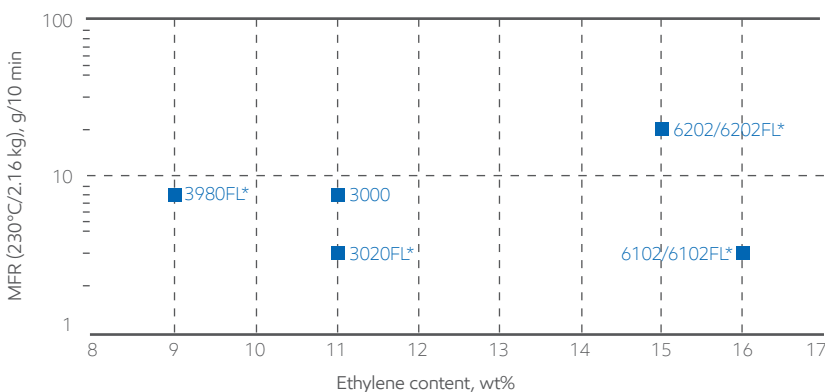
\* FL grades pass ExxonMobil Chemical's test for film appearance with regard to gels, as needed for performance film applications ('A' rating).

\*\* All testing methods are "Based On".

(1) Value reported is an estimate based on ExxonMobil Chemical's correlation from melt flow rate data measured at other standard conditions, based on ASTM D1238.

(2) All physical properties were measured on specimens cut from compression molded plaques per ASTM D4703, Procedure A, Type I and conditioned at 23°C for a minimum of 40 hours per ASTM D618 prior to testing.

## Product positioning (typical values)



\* FL grades pass ExxonMobil Chemical's test for film appearance with regard to gels, as needed for performance film applications ('A' rating).

Grade	Adhesives	Compounding/ polymer modification	Film	Nonwovens
3000	■	■		
3020FL*		■	■	■
3980FL*		■	■	■
6102/6102FL*		■	■	■
6202/6202FL*	■	■	■	■

## Vistamaxx™ PBE gradeslate

Grade	Typical values						Food contact status
	Vicat softening point 200g ExxonMobil method °C (°F)	Hardness 15 Sec ASTM D2240** Shore D/A	Tensile strength <sup>(1)</sup> at break ASTM D638** MPa (psi)	Elongation <sup>(1)</sup> at break ASTM D638** %	Flexural modulus <sup>(1, 2)</sup> 1% secant ASTM D790** MPa (psi)	Tear strength <sup>(1)</sup> Die C ASTM D624** kN/m (lbf/in)	
3000	65.6 (150)	33D	17.1 (2,480)	1,898	59.3 (8,610)	62.3 (356)	1, 2, 3, 4
3020FL*	68.3 (155)	34D	17.0 (2,460)	1,756	59.7 (8,650)	64.3 (367)	1, 2, 3, 4
3980FL*	76.7 (170)	40D	17.2 (2,500)	1,682	110 (16,000)	81.3 (464)	1, 2, 3, 4
6102/6102FL*	52.2 (126)	66A	>6.89 (1,000)	> 2,000	12.3 (1,790)	34.3 (196)	1, 2, 3, 4
6202/6202FL*	47.2 (117)	66A	>5.5 (798)	> 2,000	12.3 (1,790)	33.3 (190)	1, 2, 3, 4

\* FL grades pass ExxonMobil Chemical's test for film appearance with regard to gels, as needed for performance film applications ('A' rating).

\*\* All testing methods are "Based On"

(1) All physical properties were measured on specimens cut from compression molded plaques per ASTM D4703, Procedure A, Type I and conditioned at 23°C for a minimum of 40 hours per ASTM D618 prior to testing.

(2) 1% secant at break.

### Food contact status notes:

- 1) In accordance with FDA Food Contact Notification (FCN) Number 832, this product, as manufactured, may be used in food contact applications as components of articles in contact with all food types under all temperature conditions up to and including boiling water sterilization.
- 2) The composition of the product complies with positive listing requirements of Annex I of Commission Regulation (EU) No 10/2011 of January 14, 2011 on plastic materials and articles intended to come into contact with food.
- 3) Vistamaxx 3XXX/6XXX PBE series grades are Japan Hygienic Olefin and Styrene Plastics Association (JHOSPA) certified.
- 4) In accordance with Chinese Positive List for allowed resins in food packaging materials (issued by China MoH, October 11, 2011), and the National Standard GB9685-2008, Hygienic Standards for Uses of Additives in Food Containers and Packaging Materials (issue date: September 9, 2008; implementation date: June 1, 2009) of China, the composition of this product complies with the requirements for use in food packaging materials.

The manufacturer of any food contact article containing a Vistamaxx PBE grade has the responsibility to ensure that the finished article complies with any food packaging regulations applicable to the specific end-use for which it is manufactured.

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