

Performance polymers Product finder

Energy lives here™



Exceed™ XP, Exceed™, Enable™ and Vistamaxx™ performance polymers are ideal for a range of applications. From solutions that require eXtreme Performance to those that offer an optimum balance of high alpha olefin (HAO) benefits, our portfolio can meet your needs.

■ Exceed XP – when eXtreme Performance matters, for step-out mechanical performance and excellent processability

Exceed XP is the latest addition to our performance polymer portfolio. By combining proprietary catalyst and process technology, this new line of products delivers eXtreme Performance for a variety of applications.

- **Extreme toughness** – new performance levels of impact strength, tear strength and flex-crack resistance can now be achieved
- **Easy processing** with enhanced melt strength

■ Enable – optimum balance for processing and bubble stability with HAO properties

Enable allows film converters to further enhance their business with more stable operations, improved line output and film downgauging – in one single polymer for mono- and co-extrusion operations.

- **Improved film output** and film downgauging
- **Easy processing** for improved operations

■ Exceed – for superior performance with outstanding mechanical and sealing properties combined with best-in-class optics

Exceed is used to formulate a wide range of film structures, offering superior mechanical performance for highly demanding end-use applications. Properties and capabilities include:

- **High toughness, sealing and outstanding tensile strength**
- **Outstanding optical properties** with gloss, haze and transparency

■ Vistamaxx – further elevates performance levels, processing and cost efficiencies

Vistamaxx is used by converters to further enhance performance levels in extrusion and molding articles across many industries, from packaging and construction to healthcare and personal hygiene. In compounds or pure, properties and capabilities include:

- **Enhanced film performance** – flexibility, elasticity, toughness, adhesion and surface cling
- **Higher impact resistance and filler loading** as masterbatch carrier and in compounds or pure in molded and extruded articles

Product finder		Melt index (g/10 min)	Density (g/cm ³)	Melt flow ratio (MFR)	Peak melting temperature (°C)	Tensile strength at break MD (MPa)	Tensile strength at break TD (MPa)	Elongation at break MD (%)	Elongation at break TD (%)	Secant modulus MD - 1% secant (MPa)	Secant modulus TD - 1% secant (MPa)	Dart drop impact (g) ^c	Elmendorf tear strength MD (g)	Elmendorf tear strength TD (g)	Puncture force (N)	Puncture energy (J)
Exceed™ XP performance polymers	Exceed XP 6026	0.20	0.916	48-52	110	70	70	390	640	180	220	680	60	400	67	4.8
	Exceed XP 6056	0.50	0.916	36-38	109	60	60	390	710	160	200	510	80	460	58	4.4
	Exceed XP 8318	1.0	0.918	28-30	121	60	50	370	660	190	230	670	370	470	44	3.2
	Exceed XP 8358	0.50	0.918	28-30	121	70	50	300	640	200	250	710	530	500	53	3.7
	Exceed XP 8656	0.50	0.916	28-30	121	70	50	300	640	190	230	750	500	540	53	3.4
	Exceed XP 8784	0.80	0.914	28-32	121	60	50	330	620	170	210	910	310	460	55	4.2
Exceed™ performance polymers	Exceed 1012	1.0	0.912	-	115	60	60	450	600	120	130	900	200	310	59	5.3
	Exceed 1015	1.0	0.915	-	117	60	60	470	620	150	160	740	210	360	53	4.5
	Exceed 1018	1.0	0.918	-	118	60	50	480	640	180	200	590	250	430	50	3.9
	Exceed 1023	1.0	0.923	-	121	50	41	510	600	230	240	300	280	510	42	2.1
	Exceed 1327	1.3	0.927	-	123	60	50	580	700	310	360	140	160	430	48	3.1
	Exceed 1518	1.5	0.918	-	118	60	50	540	660	180	190	610	300	430	51	4.3
	Exceed 2012	2.0	0.912	-	114	70	60	560	610	100	100	690	240	300	57	5.3
	Exceed 2018	2.0	0.918	-	117	60	60	590	690	170	180	580	330	460	48	4.1
	Exceed 2718	2.7	0.918	-	117	80	50	470	720	110	130	200	170	420	49	4.2
	Exceed 3518	3.5	0.918	-	114	70	47	510	680	110	120	140	190	500	47	4.3
	Exceed 3527	3.5	0.927	-	121	60	41	530	750	190	200	60	70	400	45	2.6
	Exceed 3812	3.8	0.912	-	110	48	44	450	610	87	97	610	250	440	-	-
	Exceed 4518	4.5	0.918	-	114	70	48	500	730	100	120	140	150	460	48	4.5
	Exceed 4536	4.5	0.936	-	125	43	33	580	720	370	400	<60	30	110	28	1.1
	Exceed 0015	15	0.918	-	113	-	-	-	-	-	-	-	-	-	-	-
	Exceed 0019 ^A	19	0.918	-	114	-	-	-	-	-	-	-	-	-	-	-
Enable™ performance polymers	Enable 2005	0.50	0.920	-	115	60	60	480	710	210	240	240	90	570	54	3.8
	Enable 2010	1.00	0.920	-	114	50	50	510	720	200	230	180	130	550	47	3.2
	Enable 2703	0.30	0.927	-	115	60	50	480	750	310	380	140	40	670	50	2.8
	Enable 2705	0.50	0.927	-	119	60	50	520	760	300	360	130	50	730	48	2.7
	Enable 3505	0.50	0.935	-	123	60	46	550	790	430	520	70	20	610	48	2.3
	Enable 4002	0.25	0.940	-	128	70	49	490	810	540	730	60	10	600	50	2.2
	Enable 4009	0.90	0.940	-	126	60	43	600	830	510	590	<60	20	550	35	0.98
Vistamaxx™ performance polymers	Vistamaxx 3000	3.7	0.873	8	-	>13.8	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 3020	1.2	0.874	3	-	>14.5	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 3588	-	0.889	8	-	26.0	-	637	-	-	-	-	-	-	-	-
	Vistamaxx 3980	3.6	0.879	8	-	>19.3	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 6000	3.7	0.889	-	105	62.4	35.5	440	790	290	326	-	-	-	-	-
	Vistamaxx 6102 ^D	1.4	0.862	3	-	>7.58	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 6202	9.1	0.862	20	-	>5.52	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 6502	21	0.865	45	-	>7.58	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 7020	9.0	0.863	20	-	>5.49	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 8380	-	0.864	-	100	3.8	-	1019	-	-	-	-	-	-	-	-
	Vistamaxx 8780	-	0.864	-	96	2.4	-	705	-	-	-	-	-	-	-	-
	Vistamaxx 8880	-	0.879	-	97	6.2	-	1,237	-	-	-	-	-	-	-	-

Film properties are represented according to additive used and may vary according to additive package requirements. Products may not be available in one or more countries — please contact your Sales Representative for more information. See product data sheets for additional typical properties. Typical properties are not to be construed as specifications.

- Please contact your ExxonMobil representative for details regarding specific technical data.

Product finder		Flexible food packaging	Liquid packaging	Medium and heavy duty sacks	Compression packaging	Overwrap packaging	Soft-shrink packaging	Collation shrink packaging	Stretch packaging	Stretch hood packaging	Other films & liners	Agricultural films	Flexitank, geomembranes, aqua/thick liners	Hygiene	Molding & compounding	Wire and cables	Raffia packaging
Exceed™ XP performance polymers	Exceed XP 6026	▪	▪	▪			▪	▪		▪	▪	▪	▪				
	Exceed XP 6056	▪	▪								▪	▪	▪				
	Exceed XP 8318	▪	▪								▪	▪	▪	▪			
	Exceed XP 8358	▪	▪	▪							▪	▪	▪				
	Exceed XP 8656	▪	▪	▪							▪	▪	▪				
	Exceed XP 8784	▪	▪										▪				
	Exceed XP 8784	▪	▪										▪				
Exceed™ performance polymers	Exceed 1012	▪	▪	▪	▪	▪					▪					▪	
	Exceed 1015	▪	▪	▪													
	Exceed 1018	▪	▪	▪	▪	▪		▪	▪	▪	▪	▪		▪	▪		
	Exceed 1023	▪	▪	▪													
	Exceed 1327	▪	▪	▪	▪	▪		▪						▪	▪		
	Exceed 1518	▪	▪	▪													
	Exceed 2012	▪	▪		▪	▪											
	Exceed 2018	▪	▪	▪	▪	▪						▪				▪	
	Exceed 2718													▪	▪		
	Exceed 3518	▪			▪	▪			▪					▪			▪
	Exceed 3527				▪	▪								▪			
	Exceed 3812	▪			▪	▪			▪	▪	▪			▪			
	Exceed 4518	▪		▪	▪	▪			▪	▪	▪			▪			▪
	Exceed 4536				▪	▪					▪			▪			
	Exceed 0015	▪	▪													▪	▪
	Exceed 0019 ^A	▪	▪													▪	▪
Enable™ performance polymers	Enable 2005	▪	▪	▪	▪	▪		▪	▪			▪		▪			
	Enable 2010	▪	▪	▪	▪	▪			▪			▪		▪			▪
	Enable 2703	▪	▪	▪	▪	▪		▪					▪				
	Enable 2705	▪	▪	▪	▪	▪		▪			▪	▪	▪				
	Enable 3505	▪	▪	▪	▪	▪		▪					▪	▪			
	Enable 4002	▪	▪	▪	▪	▪		▪			▪			▪			
	Enable 4009			▪	▪	▪					▪			▪			
Vistamaxx™ performance polymers	Vistamaxx 3000															▪	
	Vistamaxx 3020									▪	▪					▪	
	Vistamaxx 3588	▪												▪			▪
	Vistamaxx 3980													▪	▪		▪
	Vistamaxx 6000								▪		▪						
	Vistamaxx 6102 ^D	▪	▪						▪	▪	▪		▪ ^B	▪	▪	▪	▪
	Vistamaxx 6202								▪		▪			▪	▪	▪	▪
	Vistamaxx 6502														▪	▪	
	Vistamaxx 7020													▪			
	Vistamaxx 8380													▪			
	Vistamaxx 8780													▪			
	Vistamaxx 8880															▪	

All film conditions and test methods are specified in the product data sheets. Formulations and conditions will change depending on your application and formulation. Film gauge: 1 mil film for blown grades, 0.8 mil for cast grades. Vistamaxx property data tested on compression molded plaques.

A: Exceed 0019 product properties data available at exxonmobilchemical.com B: TPO roofing C: Dart drop impact is based on ASTM D1709A.
D: Used to upgrade recycle for film applications.

Product finder

		Features
■ Exceed™ XP performance polymers	Exceed XP 6026	Melt strength, puncture and impact resistance, toughness.
	Exceed XP 6056	Extrudability on typical LDPE equipment, toughness, seal strength.
	Exceed XP 8318	Stiffness, impact resistance, extrudability and higher heat resistance.
	Exceed XP 8358	Stiffness, impact resistance.
	Exceed XP 8656	Flex-crack, dart resistance, bubble stability.
	Exceed XP 8784	Easy extrusion, bubble stability, step-out mechanical performance, excellent sealing performance.
■ Exceed™ performance polymers	Exceed 1012	Low temperature toughness, sealing, impact and puncture resistance.
	Exceed 1015	Low temperature toughness, impact strength and puncture, heat sealing and hot tack performance.
	Exceed 1018	Tensile, impact strength, puncture and excellent drawability.
	Exceed 1023	Tensile, impact strength, puncture and excellent drawability.
	Exceed 1327	Tensile, stiffness, impact strength, puncture and drawability.
	Exceed 1518	Tensile, impact strength, puncture and excellent drawability.
	Exceed 2012	Excellent sealing performance and extrudability
	Exceed 2018	Extrudability, tensile, impact strength and puncture.
	Exceed 2718	Tensile, impact resistance and puncture toughness, for cast film.
	Exceed 3518	Tensile, impact resistance and puncture toughness, for cast film.
	Exceed 3527	Stiffness, tensile, impact and puncture resistance.
	Exceed 3812	Sealing, caulability, toughness, impact and puncture resistance, for cast film.
	Exceed 4518	Tensile, impact resistance and puncture toughness, for cast film.
	Exceed 4536	Processability, stiffness, toughness, mechanical performance and hot-tack, for cast film.
	Exceed 0015	Outstanding sealing properties and broad hot tack window, low COF, easy processing, for extrusion coating and injection molding.
	Exceed 0019^A	Organoleptics, toughness, for extrusion coating and injection molding.
■ Enable™ performance polymers	Enable 2005	Processability, toughness and cast film available.
	Enable 2010	Toughness, elasticity and clarity and cast film available.
	Enable 2703	Stiffness, toughness and processability.
	Enable 2705	Processability, stiffness and toughness.
	Enable 3505	Processability, stiffness and toughness, shrink.
	Enable 4002	Bubble stability, melt strength, stiffness, shrink.
	Enable 4009	Extrudability, stiffness and toughness.
■ Vistamaxx™ performance polymers	Vistamaxx 3000	Toughness and clarity. Mainly for PP injection molding market.
	Vistamaxx 3020	Toughness, elasticity and clarity. Main grade for stretch hood films.
	Vistamaxx 3588	Sealing. Sealant resin for BOPP and cast PP films and coating of PP raffia fabric.
	Vistamaxx 3980	Sealing. Sealant resin for BOPP and cast PP films and coating of PP raffia fabric.
	Vistamaxx 6000	Toughness. Functional layer in cast stretch film to optimize holding force & tear propagation resistance.
	Vistamaxx 6102^D	Toughness, elasticity and PE/PP compatibility. Resin used in wide range of blown film applications including upgrade of PE-based recyle.
	Vistamaxx 6202	Toughness, cling, elasticity, PE/PP compatibility, enhance filler loading. Resin used in wide range of blown & cast film applications.
	Vistamaxx 6502	High flow, enhance filler loading. Main grade to improve flow in injection molding applications.
	Vistamaxx 7020	Softness. Provide soft solution in polypropylene blends for spunbond nonwoven fabrics.
	Vistamaxx 8380	Low viscosity, density and odor. Provides high polymer loading in hygiene hot-melt adhesives.
	Vistamaxx 8780	Provides high polymer loading in hygiene and woodworking hot-melt adhesives. Low viscosity, density and odor.
	Vistamaxx 8880	Low viscosity, density and odor. Provides high polymer loading in packaging hot-melt adhesives. Flow modifier for injection molding applications.

Exceed XP, Exceed and Enable performance polymers deliver excellent optical properties — different levels can be achieved depending on the film construction and formulation.

Data obtained from tests performed by or on behalf of ExxonMobil.

Contact us to discuss your needs, visit exxonmobilchemical.com

Creating differentiated solutions. Together.



Performance polymers

Exceed™ XP performance PE polymers

When eXtreme Performance matters - for step-out mechanical performance and excellent processability.

Exceed™ performance PE polymers

Superior performance - for outstanding mechanical and sealing properties combined with best-in-class optics.

Enable™ performance PE polymers

Optimum balance - for processing and bubble stability with HAO properties.

Vistamaxx™ performance polymers

Elevates performance levels, processing and cost efficiencies.

Specialty copolymers

Escorene™ Ultra EVA ExxonMobil™ EVA

For agricultural, photovoltaic cell encapsulation and packaging. Enhances sealing performance in packaging.

Escor™ EAA

For powerful adhesion to metal and metal substrates.

ExxonMobil™ EnBA

For adhesion to polar substrates, without the need for primers.

Optema™ EMA

For softness, thermal stability and chemical adhesion.

Exact™ plastomers in flexible packaging

For toughness with low seal initiation temperature in flexible packaging.

Polybilt™ modifiers

Ethylene copolymer developed for the construction industry.

LLDPE, LDPE, HDPE resins

ExxonMobil™ LLDPE

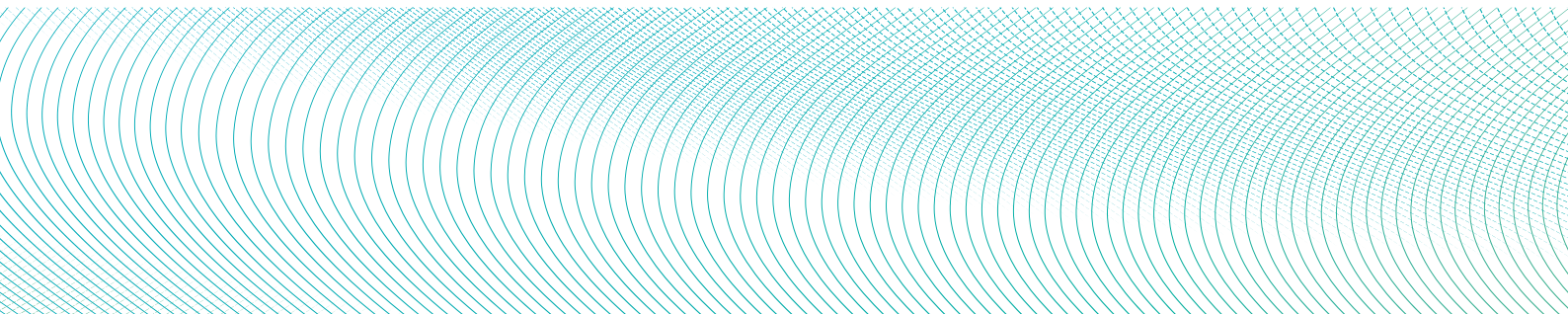
ExxonMobil™ NTX LLDPE

Nexxstar™ LDPE

ExxonMobil™ LDPE

ExxonMobil™ HDPE

Paxon™ HDPE



Test	Based on test method
Density	ASTM D1505
Melt index (190°C/2.16 kg)	ASTM D1238
Melt flow rate (MFR)	ExxonMobil method
Peak melting temperature	ExxonMobil method
Tensile strength	ASTM D882 / ASTM D638
Elongation at break	ASTM D882 / ASTM D638
Secant modulus	ASTM D882
Dart drop impact	ASTM D1709A
Elmendorf tear strength	ASTM D1922
Puncture force	ExxonMobil method
Puncture energy	ExxonMobil method
Puncture at 250% stretch, (on highlight tester, for rel. comparison only)	ASTM D4649
Cling force	ASTM D5458-95
Unwinding noise	ExxonMobil method

Contact us to discuss your needs, visit [exxonmobilchemical.com](https://www.exxonmobilchemical.com)

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