

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 (°F)	Tensile strength at break MD (psi)	Tensile strength at break TD (psi)	Elongation at break MD (%)	Elongation at break TD (%)	Secant modulus MD - 1% secant (psi)	Secant modulus TD - 1% secant (psi)	Dart drop impact (g) ^c	Elmendorf tear strength MD (g)	Elmendorf tear strength TD (g)	Puncture force (lbf)	Puncture energy (in lb)
Exceed™ XP performance polymers	Properties															
	Exceed XP 6026	0.20	0.916	48-52	230	9400	9700	390	640	26000	32000	680	60	400	15	43
	Exceed XP 6056	0.50	0.916	36-38	228	8500	8600	390	710	24000	29000	510	80	460	13	39
	Exceed XP 8318	1.00	0.918	28-30	250	9300	7500	370	660	28000	33000	670	370	470	10	29
	Exceed XP 8358	0.50	0.918	28-30	250	10000	7900	300	640	29000	36000	710	530	500	12	33
	Exceed XP 8656	0.50	0.916	28-30	250	10000	7300	300	640	27000	33000	750	500	540	12	30
	Exceed XP 8784	0.80	0.914	28-32	250	9200	8000	330	620	24000	31000	910	310	460	12	37
Exceed™ performance polymers	Properties															
	Exceed 1012	1.0	0.912	-	238	8300	8000	450	600	17000	18000	900	200	310	13	47
	Exceed 1015	1.0	0.915	-	242	9300	8200	470	620	21000	24000	740	210	360	12	40
	Exceed 1018	1.0	0.918	-	245	8500	7700	480	640	27000	29000	590	250	430	11	35
	Exceed 1023	1.0	0.923	-	250	7300	5900	510	600	33000	35000	300	280	510	10	19
	Exceed 1327	1.3	0.927	-	253	8300	7300	600	700	45000	52000	140	160	430	11	27
	Exceed 1518	1.5	0.918	-	244	8600	7900	540	660	26000	28000	610	300	430	12	38
	Exceed 2018	2.0	0.918	-	243	8600	8000	590	690	24000	27000	580	330	460	11	37
	Exceed 2718	2.7	0.918	-	243	11000	7400	470	720	16000	19000	200	170	420	11	37
	Exceed 3518	3.5	0.918	-	237	11000	6800	510	680	16000	18000	140	190	500	11	38
	Exceed 3527	3.5	0.927	-	250	8900	5900	530	750	27000	30000	60	70	400	10	23
	Exceed 3812	3.8	0.912	-	230	6900	6300	450	610	13000	14000	610	250	440	-	-
	Exceed 4518	4.5	0.918	-	237	9700	7000	500	730	15000	18000	140	150	460	11	39
	Exceed 4536	4.5	0.936	-	257	6200	4800	580	720	54000	58000	<60	30	110	6	9.9
	Exceed 0019 ^A	19.0	0.918	-	237	-	-	-	-	-	-	-	-	-	-	-
Enable™ performance polymers	Properties															
	Enable 2005	0.50	0.920	-	239	8800	8000	480	710	30000	29000	240	90	510	12	33
	Enable 2010	1.00	0.920	-	237	7900	7500	510	720	29000	33000	180	130	550	11	28
	Enable 2305	0.50	0.923	-	241	8400	7600	480	730	35000	41000	170	70	620	12	29
	Enable 2703	0.30	0.927	-	246	9100	7500	480	750	45000	55000	140	40	670	11	25
	Enable 2705	0.50	0.927	-	246	8300	7200	520	760	44000	52000	130	50	730	11	24
	Enable 3505	0.50	0.935	-	253	8400	6700	550	790	62000	75000	70	20	610	11	20
	Enable 4002	0.25	0.940	-	262	9700	7000	490	810	78000	110000	60	10	600	11	19
	Enable 4009	0.90	0.940	-	259	8100	6300	600	830	74000	86000	< 60	20	550	8	8.7
Vistamaxx™ performance polymers	Properties															
	Vistamaxx 3000	3.7	0.873	8	-	>2000	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 3020	1.2	0.874	3	-	>2100	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 3588	-	0.889	8	-	3770	-	637	-	-	-	-	-	-	-	-
	Vistamaxx 3980	3.6	0.879	8	-	>2800	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 6000	3.7	0.889	-	222	9080	5150	440	790	42000	47300	-	-	-	-	-
	Vistamaxx 6102 ^D	1.4	0.862	3	-	>1100	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 6202	9.1	0.862	20	-	>800	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 6502	21	0.865	45	-	>1100	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 7020	9.0	0.863	20	-	>796	-	>800	-	-	-	-	-	-	-	-
	Vistamaxx 8380	-	0.864	-	212	3.8	-	1019	-	-	-	-	-	-	-	-
	Vistamaxx 8780	-	0.864	-	205	2.4	-	705	-	-	-	-	-	-	-	-
	Vistamaxx 8880	-	0.879	-	206	900	-	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.

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, which may vary by country.
D: Used to upgrade recycle for film applications.

- 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

Geomembranes, aqua/thick liners

Hygiene

Molding & compounding

Wire and cables

Raffia packaging

Exceed™ XP performance polymers

Applications														
Exceed XP 6026	■	■	■		■	■		■	■	■				
Exceed XP 6056	■	■							■	■	■			
Exceed XP 8318	■	■							■	■	■			
Exceed XP 8358	■	■	■						■	■	■			
Exceed XP 8656	■	■	■						■	■	■			
Exceed XP 8784	■	■												

Exceed™ performance polymers

Applications														
Exceed 1012	■	■	■						■			■		
Exceed 1015	■	■	■											
Exceed 1018	■	■	■	■	■		■	■	■	■	■	■		
Exceed 1023	■	■	■											
Exceed 1327	■	■	■		■		■				■	■		
Exceed 1518	■	■	■											
Exceed 2018	■	■	■		■					■		■		
Exceed 2718											■	■		
Exceed 3518	■						■				■		■	
Exceed 3527					■						■			
Exceed 3812	■						■	■	■		■			
Exceed 4518			■				■	■	■		■		■	
Exceed 4536									■		■			
Exceed 0019 ^A	■	■										■		

Enable™ performance polymers

Applications														
Enable 2005	■	■	■			■	■			■	■			
Enable 2010	■	■	■				■			■	■		■	
Enable 2305	■		■			■			■	■				
Enable 2703	■	■	■	■		■					■			
Enable 2705	■	■	■	■		■			■	■	■			
Enable 3505	■	■	■	■		■					■	■		
Enable 4002	■	■	■	■	■		■		■		■			
Enable 4009			■	■	■				■		■			

Vistamaxx™ performance polymers

Applications														
Vistamaxx 3000												■		
Vistamaxx 3020								■	■			■		
Vistamaxx 3588	■										■			■
Vistamaxx 3980											■	■		■
Vistamaxx 6000							■		■					
Vistamaxx 6102 ^D	■	■					■	■	■	■	■	■	■	■
Vistamaxx 6202							■		■		■	■	■	■
Vistamaxx 6502												■	■	
Vistamaxx 7020											■			
Vistamaxx 8380											■			
Vistamaxx 8780											■			
Vistamaxx 8880												■		

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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.
Features		
■ 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.
	Exceed 1023	Tensile, impact strength, puncture and excellent drawability.
	Exceed 1327	Tensile, stiffness, impact strength, puncture, drawability.
	Exceed 1518	Tensile, impact strength and puncture and excellent drawability.
	Exceed 2018	Extrudability, tensile, impact strength, puncture.
	Exceed 2718	Tensile, impact resistance, puncture toughness, for cast film.
	Exceed 3518	Tensile, impact resistance, 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, puncture toughness, for cast film.
	Exceed 4536	Processability, stiffness, toughness, mechanical performance, hot-tack, for cast film.
	Exceed 0019 ^A	Organoleptics, toughness, for extrusion coating and injection molding.
Features		
■ Enable™ performance polymers	Enable 2005	Processability, toughness, cast film available.
	Enable 2010	Processability, toughness, cast film grade available.
	Enable 2305	Processability, toughness, antiblock options available
	Enable 2703	Stiffness, toughness, 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.
Features		
□ 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.

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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