



1. Open the camera or QR code app on your smartphone, then scan a QR code below
2. Follow instructions on your phone screen to access the document on the web
3. Use your phone to download or email document

[illegible]

Exocel™ X90 Exocel™ Enable™ Vitamax™

ExonMobil

Performance polymers Product finder

Energy lives here

Exocel™ X90, Exocel™, Enable™ and Vitamax™ performance polymers are ideal for a range of applications. From solutions that require a extreme performance to those that offer an optimum balance of high efficiency (HAC) benefits, our portfolio can meet your needs.

■ Exocel™ X90 offers ultimate performance, ready for any use. It provides performance and excellent pumpability for use in the most difficult and performance-critical applications.

Enabling this use is the proven design of the polymer, which is made for performance. Additionally, the polymer is designed to be used in the most demanding applications.

Key properties include excellent strength and

high strength with excellent elongation.

■ Exocel™

is designed for pumping and high strength with excellent pumpability. It provides excellent performance in the most demanding applications. Additionally, the polymer is designed to be used in the most demanding applications.

Key properties include excellent strength and

high strength with excellent elongation.

■ Enable™ is designed for performance with outstanding strength and excellent pumpability. It provides excellent performance in the most demanding applications.

Enabling this use is the proven design of the polymer, which is made for performance. Additionally, the polymer is designed to be used in the most demanding applications.

Key properties include excellent strength and

high strength with excellent elongation.

■ Vitamax™

is designed for pumping and high strength with excellent pumpability. It provides excellent performance in the most demanding applications. Additionally, the polymer is designed to be used in the most demanding applications.

Key properties include excellent strength and

high strength with excellent elongation.

[illegible]

Not all hygiene solutions are created equal. ExxonMobil's comprehensive range of hygiene products allow you to innovate new levels of softness, strength, fit and barrier performance. Our hygiene portfolio includes Vistamaxx™ performance polymers, ExxonMobil™ PP, Achieve™ Advanced PP, Exceed™ XP, Exceed™ and Enable™ performance PE polymers and Escorez™ tackifiers.

[illegible]

Wistamob™ performance polymers

Retink-Biocyte: Transform polymer waste into higher-value applications

Decompose plastics from automotive or a multitude of other sources, which both biodegradably and non-toxically. Traditionally, plastics recovered from decompose have lost impact properties, but Retink-Biocyte maintains its inherent and high performance. Due to its extraordinary compatibility with PP and PE, Wistamob performance polymers can be used in a wide variety of applications, including automotive components, for example, plastic parts from a vehicle body or interior and assembled.



Impact strength enhancement from repeated damage?
Resilience **Impact strength at 20°C (J/m²)**

Material	Impact strength at 20°C (J/m²)
Retink-Biocyte	~1000
PP	~100
PE	~100

Wistamob performance polymers offer an unparalleled form factor, control over the polymer's look, touch, feel, and color. With consistent impact strength, Wistamob performance polymers offer the necessary impact control and aesthetic appeal to produce lower-cost material solutions.

ExxonMobil

Key benefits

- Increased rate of organic content
- Off-set cost savings
- Increased performance
- Increased impact strength
- Improved impact strength
- Complete high impact performance
- Complete high impact performance


Plants & larger animals
 Retink-Biocyte is a natural polymer. For large animals and plants, Retink-Biocyte is a natural polymer. For large animals and plants, Retink-Biocyte is a natural polymer. For large animals and plants, Retink-Biocyte is a natural polymer.

Energy lives here

www.exxonmobil.com/retink-biocyte

Retink-Biocyte










Vitamatrix® performance polymers

Rethink Recycle


Vitamatrix® polymers are a proven, cost effective solution that allow low-cost recycling, targeting high-value applications.

Recycling of polymers is a global growth market, which is currently growing 10% per year. One of the main barriers to recycling polymers has been the need for costly and time-consuming treatment of nonrecyclable plastics. By using our polymers, you can reduce the need for costly treatment and avoid the need for more toxic materials to produce higher quality products, thus reducing due to increased market growth, and sustainable from being costly, less toxic waste.

Key benefits:

-  **Recycle**
Lower cost
Lower carbon
-  **Speed**
Faster cycle
-  **High performance**
Higher productivity
Higher quality products
-  **Safe**
Low maintenance
Low waste emissions
-  **Longer life**
Longer lifespan
Longer application

Energy benefits:



Process **Energy**

CapEx **CO2**

OpEx **CO2**

Durable

58%
CO2 saving over virgin resin



Vistamaxx™ polymers are a proven, cost effective solution that allows low-cost recycling, targeting high-value applications.



1. Open the camera or QR code app on your smartphone, then scan a QR code below
2. Follow instructions on your phone screen to access the document on the web
3. Use your phone to download or email document

Fact sheet: Enhance filler loading in compounding

Vistamaxx™ performance polymers

Enhance filler loading in compounding

Energy lives here

With Vistamaxx™ performance polymers, you will achieve improved flow properties at high filler loadings while maintaining the typical physical property balance. These characteristics ensure efficient use of your compounding equipment while also ensuring downstream processing ease.

Raw materials

Property	Vistamaxx 8880	Vistamaxx 8880	Vistamaxx 8880	Vistamaxx 8880	Vistamaxx 8880	Vistamaxx 8880
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100

Vistamaxx polymer-based solution offers

- Improved flow properties
- Improved mechanical properties
- Improved processing efficiency
- Improved downstream processing ease

Typical applications

- High filler loading
- High flow rate
- High mechanical properties
- High processing efficiency
- High downstream processing ease

ExxonMobil Performance Polymers

With Vistamaxx™ performance polymers, you will achieve improved flow properties at high filler loadings while maintaining the typical physical property balance. These characteristics ensure efficient use of your compounding equipment while also ensuring downstream processing ease.

Fact sheet: Discover how Vistamaxx™ can inspire your next masterbatch innovations

Vistamaxx™ performance polymers

Discover how Vistamaxx™ performance polymers can inspire your next masterbatch innovations

Energy lives here

With a unique set of attributes, Vistamaxx performance polymers create new possibilities in masterbatch, maintaining the balance between performance and cost. Add Vistamaxx performance polymers to create masterbatch solutions to meet the most demanding requirements on the market or to optimize your highly loaded masterbatch production processes.

Key benefits

- Reduced dispersion of pigments and fillers
- Improved processability
- Enhanced color strength
- Lower processing temperature
- Higher filler loading
- Improved mechanical properties to end users

With a unique set of attributes, Vistamaxx performance polymers create new possibilities in masterbatch, maintaining the balance between performance and cost.

Fact sheet: Low viscosity Vistamaxx™ 8880 for new possibilities in polymer modification

Vistamaxx™ performance polymers

Low viscosity Vistamaxx™ 8880 for new possibilities in polymer modification

Energy lives here

Develop innovative solutions that can improve product performance and manufacturing efficiency with Vistamaxx™ performance polymers. Because Vistamaxx 8880 has a much lower viscosity than other grades, it provides opportunities for compounders, converters and OEMs to add value. Using Vistamaxx 8880 as a compound modifier enhances polyolefin blend properties, improves processing efficiency and reduces the dosage of processing aids.

Viscosity graphs

Viscosity

Improved processability

The primary advantage for compounding with Vistamaxx 8880 is the inherent low viscosity of Vistamaxx 8880. This low viscosity allows for higher filler loading and improved downstream processing efficiency. The range of Vistamaxx 8880 is much wider than other grades, providing opportunities for compounders, converters and OEMs to add value. Using Vistamaxx 8880 as a compound modifier enhances polyolefin blend properties, improves processing efficiency and reduces the dosage of processing aids.

Max flow rate of Vistamaxx 8880 compounded with Vistamaxx 8880

Flow rate (g/min)	Vistamaxx 8880	Vistamaxx 8880	Vistamaxx 8880	Vistamaxx 8880	Vistamaxx 8880	Vistamaxx 8880
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100
Flow rate (g/min)	100	100	100	100	100	100

Develop innovative solutions that can improve product performance and manufacturing efficiency with Vistamaxx™ performance polymers. Because Vistamaxx™ 8880 has a much lower viscosity than other grades, it provides opportunities for compounders, converters and OEMs to add value. Enhanced properties of polyolefin blends, improved processing efficiency, and reduced dosage of processing aids can be achieved by using Vistamaxx 8880 as a modifier in compounds.

Fact sheet: Solutions to meet your BOPP sealing, barrier and mechanical performance needs

Vistamaxx™ Opipore™

Solutions to meet your BOPP sealing, barrier and mechanical performance needs

Energy lives here

As a reliable global supplier to the flexible packaging industry, we offer a broad portfolio of resins that meet the sealing, barrier and mechanical performance needs of BOPP films.

BOPP continues to meet the challenges of food packaging

As a reliable global supplier to the flexible packaging industry, we offer a broad portfolio of resins that meet the sealing, barrier and mechanical performance needs of BOPP films.

Key advantages

- Improved flow properties
- Improved mechanical properties
- Improved processing efficiency
- Improved downstream processing ease

Typical applications

- High filler loading
- High flow rate
- High mechanical properties
- High processing efficiency
- High downstream processing ease

ExxonMobil Performance Polymers

As a reliable global supplier to the flexible packaging industry, we offer a broad portfolio of resins that meet the sealing, barrier and mechanical performance needs of BOPP films.

Leaflet: Imagine the possibilities

Vistamaxx™ ExxonMobil™ PP

Imagine the possibilities

Energy lives here

Vistamaxx™ performance polymers provide new possibilities to improve and extend the properties of polypropylene (PP) to meet specific application requirements. Easy to process and highly compatible, Vistamaxx polymers are particularly effective in modifying PP to enhance flexibility, tensile strength, impact strength and adhesion, while maintaining clarity and reducing stress whitening.

The versatility enabled by Vistamaxx performance polymers makes them an ideal solution for many applications, including:

- Automotive
- Packaging
- Agriculture
- Construction
- Consumer goods
- Industrial
- Medical
- Marine
- Transportation
- Telecommunications
- Textiles
- Wire and cable

Key advantages

- Improved flow properties
- Improved mechanical properties
- Improved processing efficiency
- Improved downstream processing ease

Typical applications

- High filler loading
- High flow rate
- High mechanical properties
- High processing efficiency
- High downstream processing ease

ExxonMobil Performance Polymers

Vistamaxx™ performance polymers provide new possibilities to improve and extend the properties of polypropylene (PP) to meet specific application requirements.

Fact sheet: Creating innovative solutions for cast polypropylene film

Vistamaxx™ performance polymers

Creating innovative solutions for cast polypropylene (cPP) film

Energy lives here

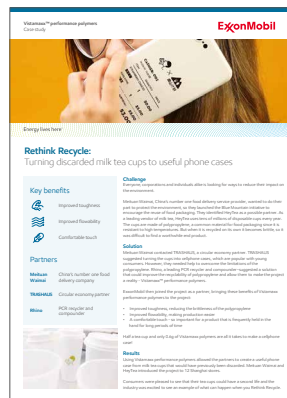
Film converters and packaging converters are creating innovative cast polypropylene (cPP) solutions with Vistamaxx™ performance polymers: improved film toughness for stronger packaging and enhanced seal performance.

Film converters and packaging converters are creating innovative cast polypropylene (cPP) solutions with Vistamaxx™ performance polymers: improved film toughness for stronger packaging and enhanced seal performance.



1. Open the camera or QR code app on your smartphone, then scan a QR code below
2. Follow instructions on your phone screen to access the document on the web
3. Use your phone to download or email document

Case study: Rethink. Recycle.: Turning discarded milk tea cups to useful phone cases



Case study: Together, more durable plastic pallets from recycled materials using Vistamaxx™



Case study: Boost strength of polypropylene paint pails



From discarded tea cups to cell phone cases, Vistamaxx™ performance polymers can give plastic waste a new life.

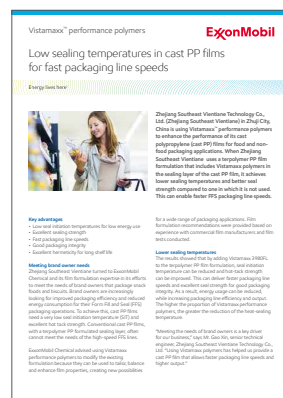
How See Hau Global incorporates recycled material in its plastic pallet production while maintaining the performance requirements of their pallets using Vistamaxx performance polymers.

RK Metal & Plastic of India is using Vistamaxx™ performance polymers to improve the impact strength and aesthetic appearance of its polypropylene (PP) injection molded paint pails.

Case study: Improve impact strength and hinge flexibility of food container lids



Case study: Low sealing temperature in cast PP films for fast packaging line speed



Case study: Rethink. Recycle.: Empowering Atando Cabos



Case study detailing how Ningbo Lisi Houseware Co., Ltd. (Lisi) improved the impact strength of its food containers made from random copolymer polypropylene (RCP).

Case story demonstrating how Vistamaxx™ performance polymers deliver low sealing temperatures in cast PP films for fast packaging line speeds at Zhejiang Southeast Vientiane.

Learn how Vistamaxx™ performance polymers enable the Atando Cabos project – collecting and recycling discarded fishing ropes from the Patagonian coast.



Scan & Discover

1. Open the camera or QR code app on your smartphone, then scan a QR code below
2. Follow instructions on your phone screen to access the document on the web
3. Use your phone to download or email document

Fact sheet: Stretch hood packaging films

Exceed™ XP Exceed™ Vistamaxx™ ExxonMobil

Stretch hood packaging films

Energy lives here

Stretch hood films based on Exceed™ XP, Exceed™ and Vistamaxx™ performance polymers can provide enhanced load unitization and stability across the value chain.

Energy lives here

Stretch hood films based on Exceed™ XP, Exceed™ and Vistamaxx™ performance polymers can provide enhanced load unitization and stability across the value chain.

Key benefits	Key benefits
Enhanced load unitization	Enhanced load unitization
Enhanced load stability	Enhanced load stability
Enhanced load protection	Enhanced load protection
Enhanced load unitization	Enhanced load unitization
Enhanced load stability	Enhanced load stability
Enhanced load protection	Enhanced load protection

Exceed™ XP Exceed™ Vistamaxx™ ExxonMobil



Stretch hood films based on Exceed™ XP, Exceed™ and Vistamaxx™ performance polymers can provide enhanced load unitization and stability across the value chain.

Fact sheet: Automatic machine pallet wrapping film – power pre-stretch

Exceed™ Enable™ Vistamaxx™ ExxonMobil

Tailored solutions for power pre-stretch applications

Energy lives here

Power pre-stretch pallet packaging films made with Exceed™, Enable™, and Vistamaxx™ performance polymers deliver outstanding pre-stretch and toughness, while providing opportunities for downgauging. This allows highly efficient pallet wrapping for the safe and secure packaging and protection of goods at reduced cost.

Key benefits	Key benefits
Enhanced load unitization	Enhanced load unitization
Enhanced load stability	Enhanced load stability
Enhanced load protection	Enhanced load protection
Enhanced load unitization	Enhanced load unitization
Enhanced load stability	Enhanced load stability
Enhanced load protection	Enhanced load protection

Exceed™ Enable™ Vistamaxx™ ExxonMobil



Power pre-stretch pallet packaging films made with Exceed™, Enable™, and Vistamaxx™ performance polymers deliver outstanding pre-stretch and toughness, while providing opportunities for downgauging.

Boost flexibility and impact strength in molded and extruded products

Exact™ ExxonMobil

Boost flexibility and impact strength in molded and extruded products

Energy lives here

Exact™ plastomer resins provide unique performance properties in consumer applications ranging from luggage to toys, tubing to rigid packaging.

Key benefits

- Enhanced flexibility
- Enhanced impact strength
- Enhanced durability
- Enhanced processability

The Exact™ plastomer 5000 series offers a density range of 0.868-0.900 g/cm³



Exact™ ethylene alpha olefin copolymers can help enhance flexibility and impact strength in molded and extruded applications. Produced through ExxonMobil's proprietary metallocene technology, these innovative polymer modifiers bridge the gap between elastomers and plastics, with rubber-like properties and the processability of plastic.

Innovative plastomers for low-density, high-durability foam applications

Exact™ ExxonMobil

Innovative plastomers for low-density, high-durability foam applications

Energy lives here

From shoe soles to yoga mats, manufacturers can create soft, lightweight flexible foam products that are both soft and tough.

Key benefits

- Light weight
- Enhanced durability
- Enhanced impact strength
- Enhanced processability

The Exact™ plastomer 5000 series offers a density range of 0.868-0.900 g/cm³



Exact™ plastomers, produced through ExxonMobil Chemical's proprietary metallocene technology, could provide optimized mechanical performance and resilience to EVA foamed products. These innovative polymer modifiers with different melt index (MI) and density can fit a range of foaming processes and achieve lighter weight while retaining performance.