ExxonMobil
Signature Polymers

Bring your impossible

The introduction of ExxonMobil Signature Polymers signals a new era of collaboration

We recognize the challenges the future may bring and that the best way to address them is through partnership and collaboration across the value chain. Over time you will see changes in the way we work with you, the support that we provide, and the levels of expertise we contribute to enable you to deliver innovative solutions to your customers.

All of our polymers are now positioned under a single portfolio. We are working to simplify our product architecture and naming to improve portfolio navigation. Over the next year we will transition some of our brands and grade names to better reflect the attributes and benefits they provide. Our high quality products aren't changing, just the names.

Our major performance polymer brands

Exceed™ performance polymers for high performance
including Stiffness, Toughness and Processability (Flow)

Exxtra™ performance polymers for enhanced performance
including Softness, Sealing and Adhesion

ExxonMobil™ for traditional core performance

Vistamaxx™ performance polymers for a versatile polymer modifier
that can be used in practically all conversion processes

Exact™ plastomers for polymer modification
that bridge the gap between elastomers and plastics

Brand names that will be retired

Enable, Optema, Exceed S, Exceed XP, Escor, Escorene Ultra, Achieve, Paxon, and Nexxstar

Brand names that are transitioning to Exceed

Most Exceed S, Exceed XP, Achieve, select Polypropylene and Paxon products will now fall under Exceed. Most existing Nexxstar, Escorene and base LDPE, HDPE, C4LL, C6LL products will now fall under the ExxonMobil™ brand.

New brand introduction

Exxtra™ performance polymers: designed to enhance specific attributes such as adhesion and softness. Most current Optema, Escor and Exact grades will transition to Exxtra.

QUICK LINKS WITHIN THIS DOCUMENT

p2-3
Polyethylene product naming and numbering system, with examples >

p4
Polypropylene product naming and numbering system, with examples >

Here's a high-level explanation for the new naming and numbering system for polyethylene products.

Brand	Sub-brand	Polymer type	Grade indicator 1	Grade indicator 2	Suffix	. (dot)	Additive Package designator*
ExxonMobil™	—	C4LL / C6LL	MI	Density	If needed	.	existing
	—	LD	MI	Density	If needed	.	existing
	—	EVA / EnBA	MI	Comonomer %	If needed	.	existing
	—	HD	Density	MI	If needed	.	existing
Exceed™	—	m (mLL)	MI	Density	If needed	.	existing
	Flow / Flow+	m (mLL)	MI	Density	If needed	.	existing
	Stiff / Stiff+	m (mLL)	MI	Density	If needed	.	existing
	Tough / Tough+	m (mLL)	MI	Density	If needed	.	existing
	—	HD	Density	MI	If needed	.	existing
Exxtra™	Adhere	EAA	MI	Comonomer %	If needed	.	existing
	Soft	EMA	MI	Comonomer %	If needed	.	existing
	Seal	POP	MI	Density	If needed	.	existing
		mLL (m)	MI	Density	If needed	.	existing

Here's a deep dive into how grade indicators are used to determine PE product names and numbers.

Polymer type	Grade indicator 1		Grade indicator 2		Suffix	.	Additive Package designator*
LD	MI: frac melt	3 numbers (0.MM)	Density	2 numbers (0.9DD)	If needed	.	existing
	MI ≥ 1-9.9	2 numbers (M.M)					
	MI > 10-99	3 numbers (MM.M)					
	MI 100-999	4 numbers (MMM.M)					
Copolymers (EVA, EMA, EAA, EnBA)	MI: frac melt	3 numbers (0.MM)	Comonomer % 01-99	2 numbers (%CC)	If needed	.	existing
	MI ≥ 1-9.9	2 numbers (M.M)					
	MI > 10-99	3 numbers (MM.M)					
	MI 100-999	4 numbers (MMM.M)					
HD	Density	2 numbers (0.9DD)	MI: frac melt	2 numbers (M.M)	If needed	.	existing
			MI ≥ 1-9.9	2 numbers (M.M)			
			MI > 10-99	3 numbers (MM.M)			
Linear Low Density Polyethylene (mLL, c4LL, c6LL)	MI < 10	2 numbers (M.M)	Density	2 numbers (0.9DD)	If needed	.	existing
	MI ≥ 10-99	3 numbers (MM.M)					
POP	MI < 10	2 numbers (M.M)	Density	2 numbers (0.8DD)	If needed	.	existing
	MI ≥ 10-99	3 numbers (MM.M)					

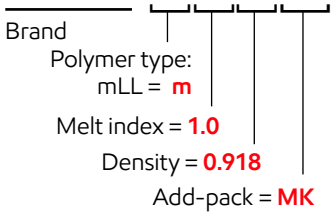
*Existing additive designators are carried over in the new naming convention, e.g. ML, MK, RE, etc.

The next page illustrates several examples of how legacy names map to their new Signature Polymer names.

Back to main menu

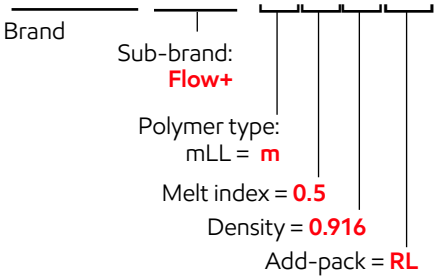
Exceed™ 1018.MK
changes to

Exceed™ m 1018.MK



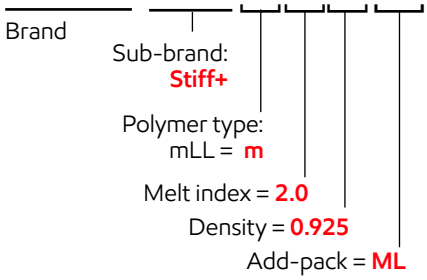
Exceed™ XP 6056RL
changes to

Exceed™ Flow+ m 0516.RL



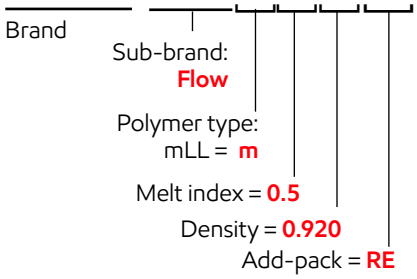
Exceed™ S 9333ML
changes to

Exceed™ Stiff+ m 2025.ML



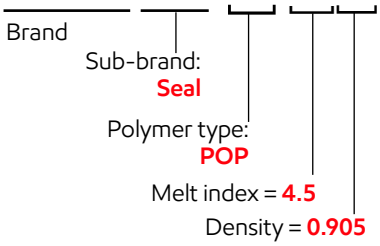
Enable™ 2005RE
changes to

Exceed™ Flow m 0520.RE



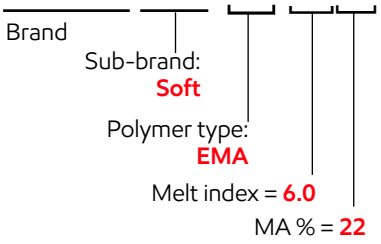
Exact™ 3024
changes to

Exxtra™ Seal POP 4505



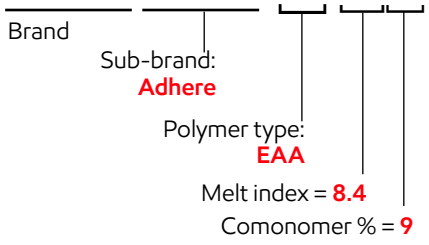
Optema™ TC 121
changes to

Exxtra™ Soft EMA 6022



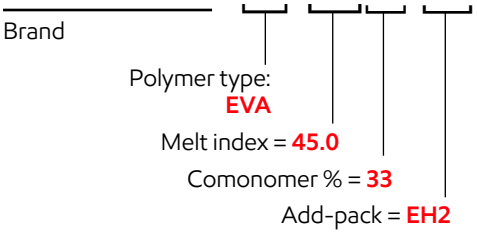
ESCOR™ 5050
changes to

Exxtra™ Adhere EAA 8409



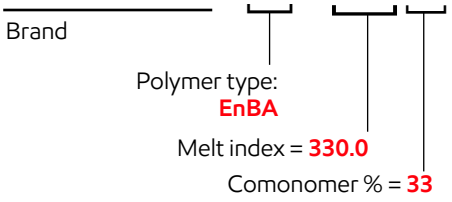
Escorene™ Ultra UL 04533EH2
changes to

ExxonMobil™ EVA 45033.EH2



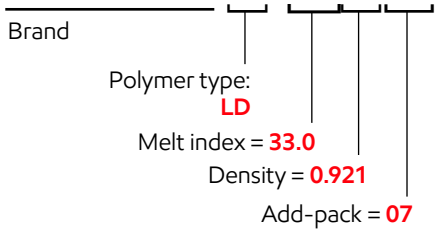
ExxonMobil EnBA EN 33331
changes to

ExxonMobil™ EnBA 330033



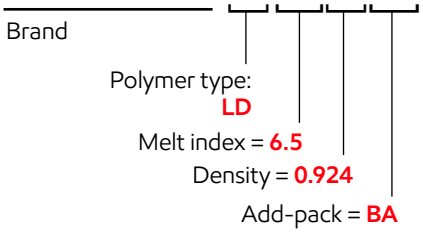
ExxonMobil™ LDPE LD 506.07
changes to

ExxonMobil™ LD 33021.07



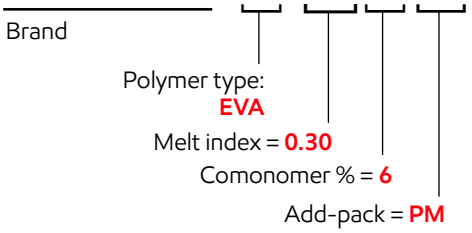
ExxonMobil™ LDPE LD 605BA
changes to

ExxonMobil™ LD 6524.BA



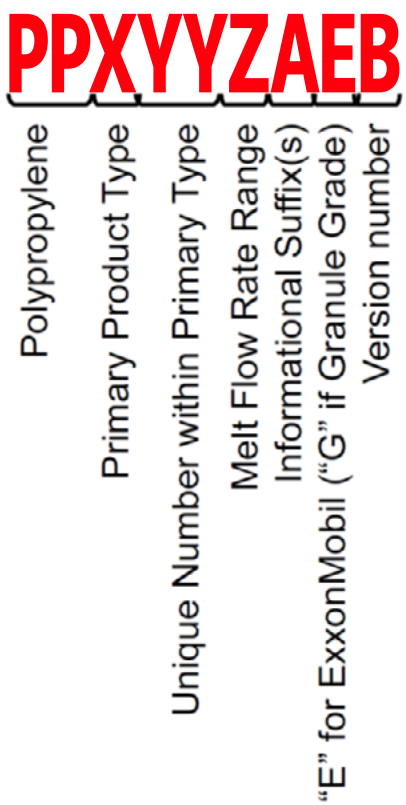
ExxonMobil™ LDPE LD 317.PM
changes to

ExxonMobil™ EVA 03006.PM



Back to main menu

The numbering system for polypropylene polymers isn't changing.



Primary Product Type

- 1 = Injection Molding
- 2 = Fabrics
- 3 = Nonwovens / Fibers
- 4 = Film
- 5 = Other Extrusion
- 6 = Specialty
- 7 = Medium Impact Copolymer
- 8 = High Impact Copolymer
- 9 = Random Copolymer

MFR Range

- 1 = < 1.0
- 2 = < 4.0
- 3 = < 10
- 4 = < 30
- 5 = < 1000
- 6 = > 1000

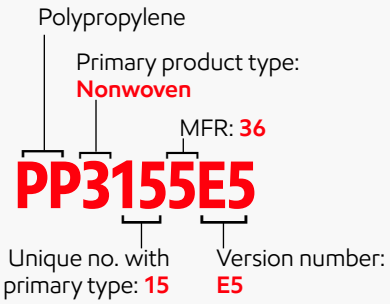
Suffixes

- MED = Primarily application Medical
- N = Nucleated
- K = Antistat

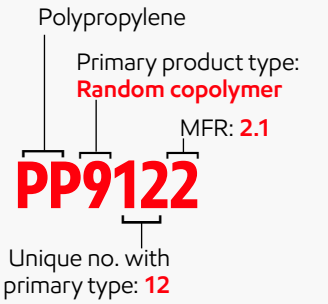
Version Number

Most grades created in past 2-3 years have an "E" (or "G") and a version number. Some grades without revision may have none

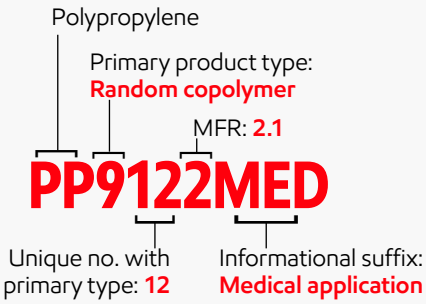
Examples



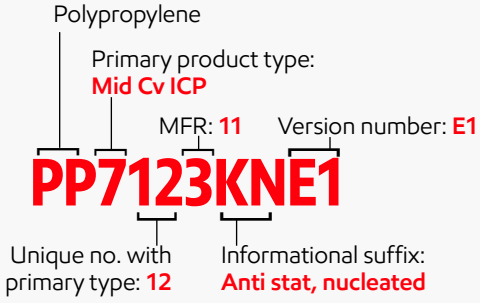
No informational suffix

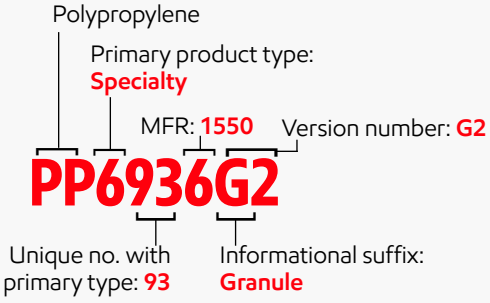


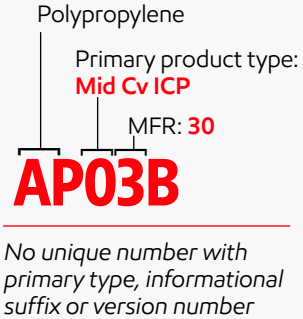
No informational suffix or version number



No version number







No unique number with primary type, informational suffix or version number

Back to main menu

Need more information about Signature Polymers? Scan the QR codes below

Overview

Product Name Lookup

Frequently Asked Questions

Version 1 - September 30, 2024

ExxonMobil Signature Polymers

Bring your impossible

ExxonMobil Signature Polymers was born from the belief that people fuel progress. From automotive and construction to packaging, agriculture, industrial, and beyond, we leverage the scale and reach of ExxonMobil to deliver the insights and innovations that empower our diverse, global partners to take their businesses to new heights. We continuously work to provide the listen-first, service-driven, game-changing collaboration that unlocks opportunities for our partners and advances their sustainability and business goals.