



## Exact™ polyolefin elastomers

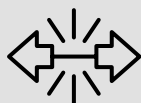
# Exact polyolefin elastomers provide an enhanced offering to automotive compounding

Exact™ polyolefin elastomers (POE) that are used for automotive compounding applications are ethylene alpha olefin copolymers with butene (C4) or octene (C8) comonomers.

At ExxonMobil, we continue to demonstrate commitment to the global automotive industry. In addition to our global supply of Exceed™ high performance PP and ExxonMobil™ PP, we are enhancing our polyolefin product solutions to automotive compounding by expanding the Exact™ POE portfolio, with grades available globally.



Toughness



Elongation



Aesthetics



Enhanced  
polyolefin solution



Supply  
reliability

Data and results presented herein apply specifically to the noted application under this fact sheet. Your results may differ depending on factors such as operating conditions, equipment and materials used.

## Exact™ POE with octene comonomer

Properties	Test method based on	Unit	Exact™ 5061	Exact™ 5171	Exact™ 5371
Density	ASTM D1505	g/cm <sup>3</sup>	0.868	0.868	0.868
Melt index, 190°C/2.16 kg	ASTM D1238	g/10 min	0.50	1.0	5.0
Durometer hardness	ExxonMobil method	Shore A	70	70	68
Tensile stress	ExxonMobil method	MPa (psi)	>10 (>1500)	>8.1 (>1200)	>5.7 (>830)
Elongation at break	ExxonMobil method	%	>800	>800	>800
Flexural modulus - 1% Secant	ExxonMobil method	MPa (psi)	13 (1800)	14 (2000)	13 (1900)
Vicat softening temperature	ExxonMobil method	°C (°F)	55.5 (132)	54.4 (130)	50.6 (123)

For more product properties, please visit the [product selector](#) on our website.

## Exact™ POE with butene comonomer

Properties	Test method based on	Unit	Exact™ 9061	Exact™ 9071	Exact™ 9371
Density	ExxonMobil method	g/cm <sup>3</sup>	0.863	0.870	0.872
Melt index, 190°C/2.16 kg	ExxonMobil method	g/10 min	0.50	0.50	4.5
Durometer hardness	ASTM D2240	Shore A	60	71	71
Tensile stress	ASTM D412	MPa (psi)	2.87 (416)	5.15 (747)	3.69 (535)
Elongation at break	ASTM D412	%	510	480	800
Flexural modulus - 1% Secant	ASTM D790	MPa (psi)	7.98 (1160)	14.6 (2120)	15.6 (2260)
Vicat softening temperature	ExxonMobil method	°C (°F)	43.8 (111)	53.7 (129)	51.4 (125)

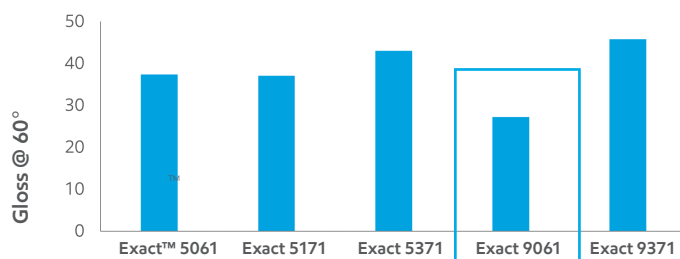
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## Solutions for improved appearance

### LOW GLOSS SOLUTION FOR INTERIOR APPLICATIONS



**Exact™ 9061 in combination with ExxonMobil™ PP7555KNE2 demonstrates excellent low gloss solution for interior applications**



The above graph represents gloss levels of compounds when test specimens were molded using A1 surface mold polish.

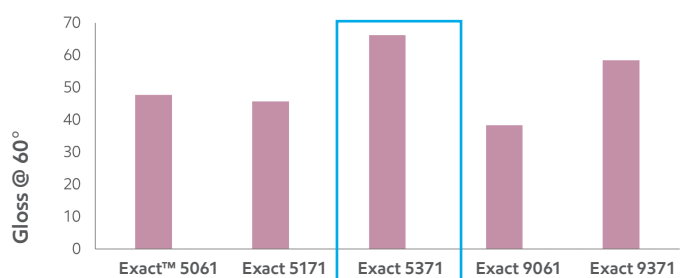
Tests were conducted on typical 15% talc filled compounds for interior application: ExxonMobil™ PP7555KNE2 (75%) + Exact™ (10%) + Talc (15%).

ExxonMobil test method

### HIGH GLOSS SOLUTION FOR EXTERIOR APPLICATIONS



**Exact™ 5371 in combination with Exceed™ Flow PP7945E1 demonstrates excellent high gloss solution for exterior applications**



The above graph represents gloss levels of compounds when test specimens were molded using A1 surface mold polish.

Tests were conducted on typical 20% talc filled compounds for exterior application: Exceed™ Flow PP7945E1 (50%) + ExxonMobil™ PP7032E3 (10%) + Exact™ (20%) + Talc (20%).

ExxonMobil test method

## What's new: ExxonMobil Signature Polymers

All our polymers are now positioned under a single portfolio brand: Signature Polymers. The aim is to simplify our product architecture and naming to improve portfolio navigation for you. We would like to stress that our commitment to high quality products remains the same, it is the names that change. Everything else remains the same. Here's a quick overview of brands and grade names that have changed in this document:

### Legacy Commercial Name

**Achieve™ Advanced PP7945E1**

### New Commercial Name

**Exceed™ Flow PP7945E1**

**Want to see what's changed in our portfolio? Go to [exxonmobilchemical.com/sptransform](https://exxonmobilchemical.com/sptransform)**

**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.



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