

# Exceed™ 3527PA

## Metallocene Polyethylene Resin

### Product Description

Exceed 3527PA is a metallocene ethylene-hexene copolymer. Films made of Exceed 3527PA have high modulus and outstanding tensile, impact and puncture resistance properties. These superior properties together with excellent drawability make this a versatile polymer for mono layer and multi layer cast stretch film applications.

### General

Availability <sup>1</sup>	▪ Africa & Middle East	▪ Europe	
Additive	▪ Antiblock: No	▪ Slip: No	
Applications	▪ Artificial grass ▪ Cast Film ▪ Cast Stretch Film	▪ Diaper Backsheet ▪ Hygiene film ▪ Overwrap Film	▪ Personal Care
Revision Date	▪ 03/01/2010		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.927 g/cm <sup>3</sup>	0.927 g/cm <sup>3</sup>	ExxonMobil Method
Melt Index (190°C/2.16 kg)	3.5 g/10 min	3.5 g/10 min	ASTM D1238
Peak Melting Temperature	250 °F	121 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	10000 psi	70 MPa	ASTM D882
Tensile Strength at Break TD	11000 psi	80 MPa	ASTM D882
Elongation at Break MD	580 %	580 %	ASTM D882
Elongation at Break TD	780 %	780 %	ASTM D882
Secant Modulus MD - 1% Secant	26000 psi	180 MPa	ASTM D882
Secant Modulus TD - 1% Secant	29000 psi	200 MPa	ASTM D882
Dart Drop Impact	90 g	90 g	ASTM D1709A
Elmendorf Tear Strength MD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength TD	360 g	360 g	ASTM D1922
Puncture Force	14 lbf	62 N	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	14	14	ASTM D2457
Haze	2.4 %	2.4 %	ASTM D1003

### Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

### Processing Statement

The film properties have been measured on a 20 µm (0.79 mil) thick cast film made of Exceed 3527CB. Film was aged at 60°C (140°F) for 48 hours before lab conditioning and testing. Film extruded on a cast film line at 230 m/min (755 ft/min) line speed and temperature setting of 280 °C (536°F).

### Notes

Typical properties: these are not to be construed as specifications.

<sup>1</sup> Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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