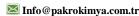
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**Product Datasheet** 

## ExxonMobil™ AXO3BE3

# Polypropylene Impact Copolymer



### **Product Description**

A high crystallinity, medium impact copolymer resin designed for injection-molded automotive interior applications and large appliance parts applications requiring high melt flow rate and excellent processing attributes.

General							
Availability <sup>1</sup>	•	North America					
		3 - 1 - 1		<ul><li>Good Stiffness</li><li>Impact Modified</li></ul>		Nucleated	
Uses		_		Automotive Interior Parts     Consumer Applications		nsumer Applications	
		<ul> <li>Automotive Applications</li> </ul>		<ul> <li>Compounding</li> </ul>		lustrial Applications	
Appearance		Natural Color					
Form(s)		Pellets					
Processing Method		Injection Molding					
Revision Date		07/01/2017					
Nevision Date		07/01/2017					
Physical		Typical Value	(Fnalish)	Typical Value	(SI)	Test Based On	
Melt Mass-Flow Rate (MFR) (230°	C/2 16 kg)		g/10 min	***	g/10 min	ASTM D1238	
Density	<u> </u>		g/cm <sup>3</sup>		g/cm <sup>3</sup>	ExxonMobil Method	
Mechanical Programme Technology		Typical Value	(English)	Typical Value	(SI)	Test Based On	
Tensile Strength at Yield						ASTM D638	
2.0 in/min (51 mm/min)		3670	psi	25.3	MPa		
Tensile Stress at Yield		3600	psi	24.8	MPa	ISO 527-2/50	
Elongation at Yield (2.0 in/min (51	mm/min))	4.4	%	4.4	%	ASTM D638	
Tensile Strain at Yield		4.1	%	4.1	%	// ISO 527-2/50	
Flexural Modulus - 1% Secant						$\boldsymbol{A}$	
0.051 in/min (1.3 mm/min)		203000	psi	1400		ASTM D790A	
0.51 in/min (13 mm/min)		232000	psi	1600	MPa 🗾	ASTM D790B	
Flexural Modulus (0.079 in/min (2.0 mm/min))		197000	psi	1360	MPa	ISO 178	
		T . 1771	/E 1: 1 \		(CI)	T . D . LO	
mpact		Typical Value	(English)	Typical Value	(SI)	Test Based On	
Notched Izod Impact		0.00	6 II /:	42	.,	ASTM D256A	
0°F (-18°C)			ft·lb/in ft·lb/in		J/m J/m		
73°F (23°C)		1.4	IL·ID/III	/5	J/111	ISO 180/1A	
Notched Izod Impact Strength -40°F (-40°C)		2.2	ft·lb/in²	10	kJ/m²	130 160/ TA	
-40 F (-40 C) -4°F (-20°C)			ft·lb/in²		kJ/m <sup>2</sup>		
73°F (23°C)			ft·lb/in²		kJ/m <sup>2</sup>		
Charpy Notched Impact Strength		4.4	TC TO/ II I	7.3	KJ/111	ISO 179/1eA	
-22°F (-30°C)		21	ft·lb/in²	44	kJ/m²	155 17 // TEA	
-4°F (-20°C)			ft·lb/in²		kJ/m <sup>2</sup>		
32°F (0°C)			ft·lb/in²		kJ/m²		
73°F (23°C)			ft·lb/in²		kJ/m <sup>2</sup>		
Gardner Impact						ASTM D5420	
-20°F (-29°C), 0.125 in (3.18 mr Geometry GC	m),	169	in·lb	19.1	J		
Thermal		Typical Value		Typical Value		Test Based On	
Heat Deflection Temperature (1.80 MPa)		131		55.0		ISO 75-2/A	
Heat Deflection Temperature (0.45 MPa)		208		98.0		ISO 75-2/Bf	
Deflection Temperature Under Loa at 66psi - Unannealed	ad (DTUL)	226	°F	108		ASTM D648	
DTUL (66 psi) - Annealed		248	°E	120	°C	ASTM D648	

Effective Date: 07/01/2017 Page: 1 of 2 ExxonMobil



# ExxonMobil™ AXO3BE3 Polypropylene Impact Copolyme

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	91	91	ASTM D785

#### Legal Statement

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

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

#### 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.

#### For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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