

## ExxonMobil<sup>TM</sup> 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	North America				
•	North America	Good Stiffr		- Nuslaa	tod
	Fast Molding Cycle Good Flow	Good Stiff     Impact Mo		Nucleated	
	Appliances Automotive Applicati		<ul> <li>Automotive Interior Parts</li> <li>Compounding</li> <li>Consumer Applications</li> <li>Industrial Applications</li> </ul>		
	Natural Color	·			
	Pellets				
Processing Method •	Injection Molding				
	07/01/2017				
Physical	Typical Valu	ue (English)	Typical	Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	35	g/10 min	ASTM D1238
Density	0.900	g/cm <sup>3</sup>	0.900	g/cm <sup>3</sup>	ExxonMobil Method
Mechanical	Typical Valu	ue (English)	Typical	Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	3670	psi	25.3	MPa	ASTM D638
Tensile Stress at Yield	3600	psi		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 0.051 in/min (1.3 mm/min) 0.51 in/min (13 mm/min)	203000 232000	psi psi	1400 1600	MPa MPa	ASTM D790A ASTM D790B
Flexural Modulus (0.079 in/min (2.0 mm/min))	197000		1360		ISO 178
mpact	Typical Val	uo (English)	Typical	Value (SI)	Test Based On
Notched Izod Impact	i ypicai vaii	de (English)	Турісаі	value (SI)	ASTM D256A
0°F (-18°C)	0.80	ft-lb/in	43	J/m	ASTIVI DZS6A
73°F (23°C)		ft-lb/in		J/m	
Notched Izod Impact Strength					ISO 180/1A
-40°F (-40°C)	2.3	ft-lb/in <sup>2</sup>	4.8	kJ/m <sup>2</sup>	
-4°F (-20°C)		ft-lb/in <sup>2</sup>		kJ/m <sup>2</sup>	
73°F (23°C)	4.4	ft-lb/in <sup>2</sup>	9.3	kJ/m <sup>2</sup>	
Charpy Notched Impact Strength	2.1	ft 11= /:2	4.4	1.1/22	ISO 179/1eA
-22°F (-30°C)		ft-lb/in <sup>2</sup>		kJ/m <sup>2</sup>	
-4°F (-20°C) 32°F (0°C)		ft-lb/in <sup>2</sup> ft-lb/in <sup>2</sup>		kJ/m² kJ/m²	
73°F (23°C)		ft-lb/in <sup>2</sup>		kJ/m²	
Gardner Impact -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC		in-lb	19.1		ASTM D5420
Γhermal	Typical Valu	ue (English)	Typical	Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)			55.0		ISO 75-2/ <b>A</b> 9 °C
Heat Deflection Temperature (0.45 MPa)		°F	98.0	°C	ISO 75-2/1249 °C
Deflection Temperature Under Load (DTI at 66psi – Unannealed	JL) 226	°F	108	°C	ASTM D6489 °C
DTUL at 66psi – Annealed	248	°F	120	°C	ASTM D6489 °C
Hardness	Typical Vali	ıe (English)	Typical	Value (SI)	Test Based On
		ao (English)		value (OI)	
Rockwell Hardness	91		91		ASTM D785

## 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 please contact our sales representative

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