

ExxonMobil™ AXO3BE3

Polypropylene Impact Copolymer

ExxonMobil Chemical

Message:

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 Information			
UL YellowCard	E31790-256626		
Features	Nucleated		
	Impact modification		
	Rigid, good		
	Fast molding cycle		
	Good liquidity		
Uses	Electrical appliances		
	Composite		
	Industrial application		
	Application in Automobile Field		
	Car interior parts		
	Consumer goods application field		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	25.1	MPa	ASTM D638
Tensile Elongation ² (Yield)	4.7	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1350	MPa	ASTM D790A
-- ⁴	1530	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	88	J/m	ASTM D256A
Dart Drop Impact ⁵ (-29°C, 3.18 mm)	21.5	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	108	°C	ASTM D648
Legal statement			

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NOTE	
1.	51 mm/min
2.	51 mm/min
3.	1.3 mm/min
4.	13 mm/min
5.	Geometry GC

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