

ExxonMobil™ PP7032E2

Polypropylene Impact Copolymer

ExxonMobil Chemical

Message:

A copolymer resin with high crystallinity and high impact strength is used for injection molding, extrusion molding and thermoforming.

General Information			
UL YellowCard	E31790-230753	E31790-230751	
Features	Good dimensional stability		
	Good coloring		
	Medium liquidity		
	Thermal stability, good		
Uses	Packaging		
	Composite		
	Shield		
	Application in Automobile Field		
	Shell		
	Hard packaging		
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)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	23.9	MPa	ASTM D638
Tensile Elongation ² (Yield)	7.1	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1080	MPa	ASTM D790A
-- ⁴	1250	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256A
Dart Drop Impact ⁵ (-29°C, 3.18 mm)	29.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	77.2	°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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