

# Bapolene® PP5052

Polypropylene Copolymer

Bamberger Polymers, Inc.

## Message:

Polypropylene injection impact copolymer with excellent color and processability. This resin also has a superior balance of stiffness and impact strength. This product meets FDA standards for food contact applications.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Colorability		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Good Strength		
Uses	Appliances		
	Battery Cases		
	Household Goods		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	26.9	MPa	ASTM D638
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	14	%	
Break	160	%	
Flexural Modulus - 1% Secant	1210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.9	°C	ASTM D648
NOTE			

1.	51 mm/min
2.	51 mm/min

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