

# Bapolene® PP5083

Polypropylene Random Copolymer

Bamberger Polymers, Inc.

## Message:

Bapolene PP 5083 is a clarified PP Random Copolymer for injection molding. This resin exhibits good processing and impact properties. This product meets FDA regulation 21CFR 177.1520 and is suitable for food packaging applications.

General Information			
Additive	Clarifier		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Random Copolymer		
Uses	Containers		
	Food Packaging		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Yield	26.2	MPa	
Break	24.1	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	11	%	
Break	550	%	
Flexural Modulus - 1% Secant	1170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.8	°C	ASTM D648
NOTE			

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

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