

Bapolene® 4082

Polypropylene Homopolymer

Bamberger Polymers, Inc.

Message:

Bapolene PP4082 is a high flow, fast cycle injection molding resin. Injection molded parts exhibit good stiffness and chemical resistance. This product meets FDA standards for food contact applications.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Stiffness		
	High Flow		
	Homopolymer		
Uses	Caps		
	Closures		
	Medical/Healthcare Applications		
	Thin-walled Parts		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	71		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	35.9	MPa	
Ultimate	19.3	MPa	
Tensile Elongation ²			ASTM D638
Yield	21	%	
Break	490	%	
Flexural Modulus - 1% Secant	1390	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	21	J/m	ASTM D256
NOTE			
1.	51 mm/min		

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