

Bapolene® 4042

Polypropylene Homopolymer
Bamberger Polymers, Inc.

Message:

Bapolene PP4042 is a fiber extrusion resin with excellent thermal and mechanical properties. This product meets FDA standards for food contact applications.

General Information	
Features	Food Contact Acceptable Homopolymer
Uses	Fiber Reinforced Tape Film Rope Twine
Agency Ratings	FDA Food Contact, Unspecified Rating
Forms	Pellets
Processing Method	Fiber (Spinning) Extrusion Filament Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	34.5	MPa	ASTM D638
Tensile Elongation ² (Yield)	10	%	ASTM D638
Flexural Modulus	1250	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.8	°C	ASTM D648

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

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