

## Bapolene® 4022 Polypropylene, Biaxially Oriented Film Grade

Category : Polymer , Film , Thermoplastic , Polypropylene (PP)

### Material Notes:

Bapolene PP4022 is a PP homopolymer designed for oriented film applications. It offers good clarity and optical properties. This resin meets FDA standards for food contact applications. Applications: Oriented film, monofilaments, split fibers. Bapolene® and Bapolan® are registered trademarks of Bamberger Polymers, Inc. Information provided by Bamberger Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bapolene-4022-Polypropylene-Biaxially-Oriented-Film-Grade.php](http://www.lookpolymers.com/polymer_Bapolene-4022-Polypropylene-Biaxially-Oriented-Film-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.904 g/cc	0.0327 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	2.2 g/10 min @Load 2.16 kg, Temperature 230 °C	2.2 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D-785
Tensile Strength, Yield	33.8 MPa	4900 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	200 %	200 %	2 in/min (50 mm/min); ASTM D638
Elongation at Yield	10 %	10 %	2 in/min (20 mm/min); ASTM D638
Flexural Modulus	1.34 GPa	194 ksi	Secant @ 1% strain; ASTM D-790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.0 °C	198 °F	ASTM D648

Descriptive Properties	Value	Comments
Process	Film	
Region	Europe/Turkey	
	International	

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