

Bapolene® 4071 Polypropylene, Fiber/Injection Grade

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Bapolene PP4071 is a high flow PP homopolymer for staple and continuous filament applications as well as general purpose injection molding. This resin exhibits good melt and thermal stability. Applications: Upholstery, BCF carpet yarns, multifilament, general purpose injection molding. 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-4071-Polypropylene-FiberInjection-Grade.php

Physical Properties	Metric	English	Comments
Density	0.901 g/cc	0.0326 lb/in ³	ASTM D1505
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 230 °C	18 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	18.6 MPa	2700 psi	2 in/min (50 mm/min); ASTM D638
Tensile Strength, Yield	35.2 MPa	5110 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	20 %	20 %	2 in/min (50 mm/min); ASTM D638
Elongation at Yield	9.0 %	9.0 %	2 in/min (20 mm/min); ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	Secant @ 1% strain; ASTM D-790
Izod Impact, Notched	0.240 J/cm	0.450 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 °C	210 °F	ASTM D648

Descriptive Properties	Value	Comments
Process	Fiber	
	Injection Molding	
Region	Europe/Turkey	
	International	

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