

Bapolene® 4082 Polypropylene, Injection Grade

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

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. Applications: Thin-walled articles, caps, closures, and medical

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Order this product through the following link:

http://www.lookpolymers.com/polymer_Bapolene-4082-Polypropylene-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	35 g/10 min	35 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	71	71	ASTM D-2240
Tensile Strength, Ultimate	19.3 MPa	2800 psi	2 in/min (50 mm/min); ASTM D638
Tensile Strength, Yield	35.9 MPa	5210 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	490 %	490 %	2 in/min (50 mm/min); ASTM D638
Elongation at Yield	21 %	21 %	2 in/min (20 mm/min); ASTM D638
Flexural Modulus	1.39 GPa	202 ksi	Secant @ 1% strain; ASTM D-790
Izod Impact, Notched	0.210 J/cm	0.393 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Process	Injection Molding	
Region	Europe/Turkey	Bamberger Polymers Distribution
	International	Bamberger Polymers Distribution
	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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