

Bapolene® PP5021

Polypropylene Random Copolymer

Bamberger Polymers, Inc.

Message:

Bapolene PP5021 is a PP Random Copolymer designed for blow molding and extrusion applications. This resin exhibits excellent clarity, impact strength, stiffness and processability. This product meets FDA standards for food contact applications.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	High Clarity		
	High Impact Resistance		
	Random Copolymer		
Uses	Bottles		
	Profiles		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Blow Molding		
	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)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	27.6	MPa	
Ultimate	22.1	MPa	
Tensile Elongation ²			ASTM D638
Yield	14	%	
Break	520	%	
Flexural Modulus - 1% Secant	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method


Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.2	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	51 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT