

# Bapolan® PS6050

General Purpose Polystyrene

Bamberger Polymers, Inc.

Message:

Bapolan PS6050 is a general purpose polystyrene injection molding resin which offers excellent clarity and heat distortion properties. This product meets FDA standards for food contact applications.

General Information			
Features	Food Contact Acceptable		
	High Clarity		
Uses	Household Goods		
	Media Packaging		
	Toys		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	63		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Ultimate)	43.4	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	3.0	%	ASTM D638
Flexural Modulus - 1% Secant	3240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	88.0	°C	ASTM D648
Vicat Softening Temperature	101	°C	ASTM D1525
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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