

Bapolan® PS6045

General Purpose Polystyrene

Bamberger Polymers, Inc.

Message:

Bapolan PS6045 is a general purpose polystyrene extrusion/injection 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	Blown Containers Packaging
Agency Ratings	FDA Food Contact, Unspecified Rating
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Ultimate)	51.7	MPa	ASTM D638
Tensile Elongation ² (Break)	3.0	%	ASTM D638
Flexural Modulus - 1% Secant	3380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.0	°C	ASTM D648
Vicat Softening Temperature	104	°C	ASTM D1525
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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