

Bapolan® PS6445

High Impact Polystyrene

Bamberger Polymers, Inc.

Message:

Bapolan PS6445 is a high impact polystyrene extrusion resin. This resin offers good stress crack resistance, ease of extrusion, and suitable for lithographic sheet applications. This product meets FDA requirements.

General Information	
Features	Good Flexibility
	Good Processability
	High ESCR (Stress Crack Resist.)
	High Impact Resistance
Uses	Appliance Components
	Sheet
Agency Ratings	FDA Unspecified Rating
Forms	Pellets
Processing Method	Extrusion
	Profile Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.04	g/cm ³	ASTM D792
--	1.05	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.4	MPa	ASTM D638
Tensile Elongation ¹ (Break)	55	%	ASTM D638
Flexural Modulus - 1% Secant	2410	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
--	120	J/m	
3.18 mm	160	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.0	°C	ASTM D1525
NOTE			

1. 51 mm/min

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Recommended distributors for this material

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