

Bapolan® 6450

High Impact Polystyrene

Bamberger Polymers, Inc.

Message:

Bapolan 6450 is a high impact polystyrene resin designed for injection molding applications requiring fast cycle times, superior impact and gloss. It complies with US FDA21 CFR177.1640 and 94HB UL rating.

General Information			
Features	Fast Molding Cycle		
	General Purpose		
	High Gloss		
	High Impact Resistance		
Uses	General Purpose		
	Household Goods		
	Housings		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.1	MPa	ASTM D638
Tensile Elongation (Yield)	43	%	ASTM D638
Flexural Modulus - 1% Secant	2330	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.8	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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