

Bapolene® 3272

High Density Polyethylene

Bamberger Polymers, Inc.

Message:

Narrow molecular weight distribution injection molding resin. This high flow resin allows fast injection cycles and provides good impact strength, rigidity, and warpage resistance. This product meets FDA standards for food contact applications.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	High Flow		
	Narrow Molecular Weight Distribution		
	Warp Resistant		
Uses	Containers		
	Household Goods		
	Thin-walled Containers		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	24.8	MPa	ASTM D638
Tensile Elongation ² (Break)	350	%	ASTM D638
Flexural Modulus - Tangent ³	1310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648
Vicat Softening Temperature	123	°C	ASTM D1525
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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Recommended distributors for this material

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