

Bapolene® 2272

Linear Low Density Polyethylene

Bamberger Polymers, Inc.

Message:

Bapolene LL2272 is a high flow, narrow molecular weight distribution, linear low density polyethylene injection resin. This resin offers excellent stress cracking resistance, flex life, low temperature toughness and low warpage. This product meets FDA standards for food contact applications.

General Information			
Features	Butene Comonomer		
	Food Contact Acceptable		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	High Flow		
	Low Temperature Toughness		
	Low Warpage		
	Narrow Molecular Weight Distribution		
Uses	Caps		
	Closures		
	Color Concentrates		
	Containers		
	Household Goods		
	Industrial Applications		
Agency Ratings	FDA Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	25.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	324	MPa	ASTM D638
Tensile Strength ¹ (Yield)	12.1	MPa	ASTM D638
Tensile Elongation ² (Break)	280	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -100	°C	ASTM D746
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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