

Bapolene® 1030

Low Density Polyethylene

Bamberger Polymers, Inc.

Message:

Multipurpose extrusion/injection resin with excellent processability and good stiffness. This resin meets the Food and Drug Administration requirements for food contact applications.

General Information	
Features	Food Contact Acceptable Good Impact Resistance Good Processability Good Stiffness
Uses	Bottles Caps Closures Profiles Tubing
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	47		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	186	MPa	ASTM D638
Tensile Strength (Yield)	10.0	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	179	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256

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