

# Bapolene® 1030

## Low Density Polyethylene

### Product Description

This resin is a multipurpose extrusion/injection low density polyethylene with excellent processability and good stiffness. This product meets US FDA 21 CFR 177.1520.

### General

Material Status	• Commercial: Active		
Availability	• Africa and Middle East • Asia and Pacific Rim	• Europe • Latin America	• Mexico • US and Canada
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	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.920 g/cm <sup>3</sup>	0.920 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Films	Typical Value (English)	Typical Value (SI)	Test Method
Film Thickness - Tested	2 mil	51 µm	
Secant Modulus			ASTM D882
MD	24500 psi	169 MPa	
TD	30000 psi	207 MPa	
Tensile Strength			ASTM D882
MD : Break	3850 psi	26.5 MPa	
TD : Break	2650 psi	18.3 MPa	
Tensile Elongation			ASTM D882
MD : Break	410 %	410 %	
TD : Break	500 %	500 %	
Dart Drop Impact	90 g	90 g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	360 g	360 g	
TD	130 g	130 g	

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

For additional information, visit us at [www.bambergerpolymers.com](http://www.bambergerpolymers.com)

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