

# Bapolene® 3272

## High Density Polyethylene

### Product Description

This is a 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 US FDA 21 CFR 177.1520.

### General

Features	<ul style="list-style-type: none"> <li>• Fast Molding Cycle</li> <li>• Food Contact Acceptable</li> <li>• Good Impact Resistance</li> </ul>	<ul style="list-style-type: none"> <li>• Good Stiffness</li> <li>• High Flow</li> <li>• Narrow Molecular Weight Distribution</li> </ul>	<ul style="list-style-type: none"> <li>• Warp Resistant</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Containers</li> <li>• Household Goods</li> </ul>	<ul style="list-style-type: none"> <li>• Thin-walled Containers</li> <li>• Toys</li> </ul>	
Agency Ratings	<ul style="list-style-type: none"> <li>• FDA 21 CFR 177.1520</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>• Injection Molding</li> </ul>		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.953 g/cm <sup>3</sup>	0.953 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Yield)	3820 psi	26.3 MPa	ASTM D638
Flexural Modulus - Tangent <sup>3</sup>	175000 psi	1210 MPa	ASTM D790

### Notes

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

<sup>2</sup> 2.0 in/min (51 mm/min)

<sup>3</sup> Method I (3 point load)