

Bapolene® 3252

High Density Polyethylene

Product Description

This narrow molecular weight distribution injection molding resin. This resin offers excellent impact strength, ESCR properties, and resistance to warpage. This product meets US FDA 21 CFR 177.1520.

General

Features	<ul style="list-style-type: none"> • Food Contact Acceptable • High ESCR (Stress Crack Resist.) 	<ul style="list-style-type: none"> • High Impact Resistance • Narrow Molecular Weight Distribution 	<ul style="list-style-type: none"> • Warp Resistant
Uses	<ul style="list-style-type: none"> • Containers 	<ul style="list-style-type: none"> • Industrial Applications 	<ul style="list-style-type: none"> • Pails
Agency Ratings	<ul style="list-style-type: none"> • FDA 21 CFR 177.1520 		
Processing Method	<ul style="list-style-type: none"> • Injection Molding 		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.954 g/cm ³	0.954 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5 g/10 min	6.5 g/10 min	ASTM D1238

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Flexural Modulus - Tangent ²	149000 psi	1020 MPa	ASTM D790

Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	63	63	ASTM D2240

Notes

¹ Typical properties: these are not to be construed as specifications.

² Method I (3 point load)