Technical Datasheet

Bapolene® 3255

High Density Polyethylene

Product Description

This is a narrow molecular weight distribution injection molding resin. This resin offers good impact strength, resistance to warpage, and stiffness. This product meets US FDA 21 CFR 177.1520.

General

Features	• Food Contact Acceptable • Good Impact Resistance	• Good Stiffness • Narrow Molecular Weight Distribution	• Warp Resistant
Uses	• Crates	• Pails	
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Injection Molding		

Physical	Typical Value (English)		Typical Value (SI)		Test Method
Density	0.960	g/cm³	0.960	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	8.0	g/10 min	ASTM D1238

Mechanical	Typical Value (English)		Typical Value (SI)		Test Method
Tensile Strength [2] (Yield)	4100	psi	28.3	MPa	ASTM D638
Flexural Modulus - Tangent [3]	175000	psi	1210	MPa	ASTM D790

Notes

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

[2] 2.0 in/min (51 mm/min)

[3] Method I (3 point load)