



Bapolene® 0760

High Density Polyethylene

Product Description

This resin is a high density polyethylene homopolymer for blow molding applications. It is recommended for applications that require high top load strength and good stiffness. This product meets US FDA 21 CFR 177.1520.

General

Features	<ul style="list-style-type: none"> • Food Contact Acceptable • Good Stiffness • Homopolymer
Uses	<ul style="list-style-type: none"> • Blown Containers • Food Containers • Containers • Fruit Juice Bottles
Agency Ratings	<ul style="list-style-type: none"> • FDA 21 CFR 177.1520
Processing Method	<ul style="list-style-type: none"> • Blow Molding

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.960 g/cm ³	0.960 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70 g/10 min	0.70 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
100% Igepal	8.00 hr	8.00 hr	

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	4520 psi	31.2 MPa	ASTM D638
Tensile Elongation ³ (Break)	> 300 %	> 300 %	ASTM D638
Flexural Modulus - Tangent ⁴	228000 psi	1570 MPa	ASTM D790

Notes

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

² 2.0 in/min (51 mm/min)

³ 2.0 in/min (50 mm/min)

⁴ Method I (3 point load)