

Bapolene® 2035

High Density Polyethylene Copolymer

Product Description

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

General

Features	• Copolymer	• High ESCR (Stress Crack Resist.)	• High Strength
Uses	• Blow Molding Applications	• Containers	
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Blow Molding		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.955 g/cm ³	0.955 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35 g/10 min	0.35 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
100% Igepal	25.0 hr	25.0 hr	

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus - Tangent ²	185000 psi	1280 MPa	ASTM D638
Tensile Strength ³ (Yield)	4000 psi	27.6 MPa	ASTM D638
Tensile Elongation ³ (Break)	> 500 %	> 500 %	ASTM D638

Notes

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

² 3 Point Load

³ 2.0 in/min (51 mm/min)