

Bapolene® 2035

High Density Polyethylene

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	<ul style="list-style-type: none"> Copolymer High ESCR (Stress Crack Resist.) High Strength
Uses	<ul style="list-style-type: none"> Blow Molding Applications Containers
Agency Ratings	<ul style="list-style-type: none"> FDA 21 CFR 177.1520
Processing Method	<ul style="list-style-type: none"> Blow Molding
Revision Date	<ul style="list-style-type: none"> 9/7/2016

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 100% Igepal	25.0 hr	25.0 hr	ASTM D1693

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	4000 psi	27.6 MPa	ASTM D638
Tensile Elongation ² (Break)	> 500 %	> 500 %	ASTM D638
Flexural Modulus - Tangent ³	185000 psi	1280 MPa	ASTM D790

Notes

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

2.0 in/min (51 mm/min)

Method I (3 point load)

For additional information, visit us at www.bambergerpolymers.com

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