

Bapolene® 2035

High Density Polyethylene

Bamberger Polymers, Inc.

Message:

Bapolene HD2035 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 the Food and Drug Administration requirements of 21CFR177.1520.

General Information			
Features	Copolymer		
	High ESCR (Stress Crack Resist.)		
	High Strength		
Uses	Blow Molding Applications		
	Containers		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	26.9	MPa	ASTM D638
Tensile Elongation ² (Break)	630	%	ASTM D638
Flexural Modulus - Tangent ³	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	280	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	70.0	°C	ASTM D648
Vicat Softening Temperature	127	°C	ASTM D1525
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	Method I (3 point load)		

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