

Bapolene® 5005H

High Density (HMW) Polyethylene

Bamberger Polymers, Inc.

Message:

This resin is a high molecular weight, high density copolymer polyethylene resin. Product exhibits superior impact strength and ESCR.

General Information			
Additive	Processing Aid		
Features	Copolymer		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	High Molecular Weight		
Uses	Drums		
	Industrial Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.954	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	> 500	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Break)	820	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	27.3	kJ/m ²	ASTM D256

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Recommended distributors for this material

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