Prixene® EB004E22

Low Density Polyethylene

POLYMAT

Message:

Prixene® EB004E22 Low Density Polyethylene Resin can be readily extruded using conventional blown film techniques utilizing melt temperatures. This resin, when properly fabricated, shows an excellent combination of processability, stiffness and physical properties. This product does not contain slip nor antiblock additives.
The features presented are good processability, high impact resistance, low density, good tenacity, and good complies with FDA.
The product form is in pellets. The material fulfills the FDA regulation title 21.CFR177.1520 (c) 2.2.

General Information	
Features	Food Contact Acceptable Good Impact Resistance Good Processability High Rigidity Low Density
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2
Forms	Pellets
Processing Method	Blow Molding Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Secant Modulus			ASTM D882
1% Secant, MD : 51 µm	241	MPa	
1% Secant, TD : 51 µm	241	MPa	
Tensile Strength			ASTM D882
MD : Yield,51 µm	13.1	MPa	
TD : Yield,51 µm	13.8	MPa	
MD : Break, 51 µm	25.5	MPa	
TD : Break, 51 µm	21.4	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm	200	%	
TD : Break, 51 µm	500	%	
Dart Drop Impact (51 µm)	110	g	ASTM D1709A
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°, 50.8 µm, Blown Film)	104		ASTM D2457
Haze (50.8 µm)	6.5	%	ASTM D1003

Recommended distributors for this material

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