

Prixene® EB070E17

Low Density Polyethylene

POLYMAT

Message:

Prixene® EB070E17 is a low density polyethylene resin that offers an excellent balance in mechanical and optical properties. The applications range from cardboard coating, Kraft paper, aluminum, cellophane and packaging coating made of cardboard for liquids drink / juices, caps and flexible lids with good gloss, dry food packaging and general use as well as any article for the home.

The features presented are good flexibility and resistance, low transfer of odors and flavors, good processability, low density and is acceptable for contact with food.

The product form is in pellets and transformation method that may be used is extrusion coating at high speed. The material may or may not contain additives. The material complies with FDA regulation title 21.CFR177.1520 (. C) 2.2.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Gloss		
	Low Density		
	Low to No Odor		
	Low to No Taste		
Uses	Coating Applications		
	Food Packaging		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm	228	MPa	
1% Secant, TD : 25 µm	276	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm	9.65	MPa	
TD : Yield,25 µm	8.96	MPa	
MD : Break, 25 µm	20.7	MPa	
TD : Break, 25 µm	14.5	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm	150	%	

TD : Break, 25 µm	500	%	
Dart Drop Impact (25 µm)	30	g	ASTM D1709A
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 25.4 µm, Blown Film)	70		ASTM D2457
Haze (25.4 µm)	6.0	%	ASTM D1003

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Recommended distributors for this material

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