

Prixene® EL010E20S

Linear Low Density Polyethylene

POLYMAT

Message:

Prixene® EL010E20S is a butane linear low density polyethylene resin for general purpose applications. Films produced from this resin are tough with excellent puncture resistance, high tensile strength and good hottack properties. The resin contains anti block and slip erucamide. Typical applications are shipping sacks, ice bags, frozen food bags, liners, carrier bags, garbage bags, agriculture films, lamination and coextruded films, etc.

The features presented are an excellent processability, good tenacity, low density, high resistance and good thermo sealing.

The product form is in pellets. LLDPE for film extrusion and coextrusion. The material does not contain additives. The material complies with FDA regulation title 21.CFR177.1520 (. C) 3.2a

General Information			
Additive	Antiblock		
	Erucamide Slip		
Features	Good Heat Seal		
	Good Impact Resistance		
	Good Processability		
	Good Strength		
	Low Density		
Uses	Bags		
	Film		
	Food Packaging		
	General Purpose		
	Laminates		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm	200	MPa	
1% Secant, TD : 25 µm	228	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm	9.65	MPa	

TD : Yield,25 μm	10.3	MPa	
MD : Break, 25 μm	60.7	MPa	
TD : Break, 25 μm	51.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 μm	540	%	
TD : Break, 25 μm	740	%	
Dart Drop Impact (25 μm)	200	g	ASTM D1709A
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 24.9 μm, Blown Film)	65		ASTM D2457
Haze (24.9 μm)	7.6	%	ASTM D1003

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