

Prixene® EL020E20S

Linear Low Density Polyethylene

POLYMAT

Message:

Prixene® EL020E20S is a Linear Low Density Polyethylene grades suitable for general purpose packaging. They are easy to process giving good tensile properties, impact strength and optical properties. Typical applications are lamination film, thin liners, shopping bags, carrier bags, garbage bags, coextruded films, consumer packaging etc.

The features presented are an excellent processability, good strength film and good thermo sealing.

The product form is in pellets. LLDPE for blow film and cast film applications. The material does not contain additives. The material complies with FDA regulation title 21.CFR177.1520 (. C) 3.1a.

General Information			
Features	Good Heat Seal		
	Good Impact Resistance		
	Good Processability		
	Good Strength		
	Low Density		
	Opticals		
Uses	Bags		
	Film		
	General Purpose		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm	179	MPa	
1% Secant, TD : 25 µm	193	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm	8.27	MPa	
TD : Yield,25 µm	8.27	MPa	
MD : Break, 25 µm	36.5	MPa	
TD : Break, 25 µm	26.2	MPa	

Tensile Elongation			ASTM D882
MD : Break, 25 μ m	650	%	
TD : Break, 25 μ m	780	%	
Dart Drop Impact (25 μ m)	70	g	ASTM D1709A
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 μ m, Blown Film)	22		ASTM D2457
Haze (25.4 μ m)	29	%	ASTM D1003

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