

NaturePlast PEVE 011

Linear Low Density Polyethylene

NaturePlast

Message:

The R&D progress allows today to produce some of the conventional polymers partially or totally from vegetable resources and no longer from fossil resources.

BioPE grades commercialized by NaturePlast have the same properties as the conventional PE and can be converted on plastic processing standard equipments.

Markets: food packaging, various packaging, cosmetics...

Properties

Properties similar to oil based PE.

Processing easiness.

Recyclable in existing PE streams.

General Information			
Features	Good Processability		
	Low Density		
	Recyclable Material		
	Renewable Resource Content		
Uses	Cosmetics		
	Food Packaging		
	Packaging		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.914	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Elastic Modulus - MD	180	MPa	ASTM D882
Elastic Modulus - TD	200	MPa	ASTM D882
Tensile Strength			ASTM D882
MD : Break	50.0	MPa	
TD : Break	40.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	1100	%	
TD : Break	1400	%	
Elmendorf Tear Strength - TD	370	g	ASTM D1922
Additional Information	Nominal Value	Unit	Test Method
Biobased Content - Carbon	87	%	ASTM D6866

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