

# NaturePlast PEVE 010

High 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		
	High 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	0.950	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.33	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Elastic Modulus - MD	750	MPa	ASTM D882
Elastic Modulus - TD	870	MPa	ASTM D882
Tensile Strength			ASTM D882
MD : Break	85.0	MPa	
TD : Break	45.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	590	%	
TD : Break	740	%	
Elmendorf Tear Strength			ASTM D1922
MD	58	g	
TD	51	g	
Additional Information	Nominal Value	Unit	Test Method

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#### Recommended distributors for this material

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