

# NaturePlast PEVE 001

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	Bottles		
	Cosmetics		
	Food Packaging		
	Packaging		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.959	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	89	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ASTM D1525
Heat Deflection Temperature	79	°C	ASTM D648
Biobased Content - Carbon	96	%	ASTM D6866

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

