

NaturePlast NP EL 004

Thermoplastic Elastomer

NaturePlast

Message:

Bioelastomers commercialized by Natureplast are elastomers that can be 100% biodegradable and compostable in agreement with standards in use (EN 13432) and are partially biobased.

Those bioelastomers can be processed mainly on injection molding standard equipments, and are meant for applications needing flexibility and good mechanical properties.

Markets: thermoplastic elastomers...

Properties

High flexibility.

Good mechanical properties.

Biodegradable

General Information			
Features	Biodegradable		
	Compostable		
	Good Flexibility		
Agency Ratings	EN 13432		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	56		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strain (Break)	770	%	ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527
100% Strain	1.90	MPa	
300% Strain	3.50	MPa	
Tear Strength	33	kN/m	ISO 34-1

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