

# NaturePlast NP EL 005

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.

Biobased (40%)

General Information			
Features	Biodegradable Compostable Good Flexibility Renewable Resource Content		
Agency Ratings	EN 13432		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	82		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strain (Break)	600	%	ISO 527-2
Abrasion Loss	20.0	mm <sup>3</sup>	ISO 4649
Biobased Content	40	%	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527
100% Strain	4.00	MPa	
300% Strain	9.00	MPa	
Tear Strength	84	kN/m	ISO 34-1

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