BIOELASTOMERS

NaturePlast

The natural evolution of plastic

General Properties

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 fexibility and good mechanical properties.

Applications

Processing: injection molding.

Markets: thermoplastic elastomers …

Properties

- High flexibility.
- Good mechanical properties.

Grade	Biobased	Biodegradable	Density	Shore Hardness	Tear strength (kN/m)	Tensile Modulus at 100 % elongation (MPa)	Tensile Modulus at 300 % elongation (MPa)	Elongation at break (%)	Abrasion loss (mm^3)
ISO			**1183**	**868**	**34-1B**	**527**	**527**	**527**	**4649**
Injection									
NP EL 002		X	1,15	65 A	40	2,4	3,8	910	76
NP EL 004		X	1,16	56 A	33	1,9	3,5	770	NC
NP EL 005	40 %		1,10	82 A	84	4	9	604	20
NP EL 006	37 %		1,15	91 A	122	9,5	25	470	35
NP EL 007	30 %	X	1,15	60A – 40D	22 - 107	2 - 8	5 - 8	410 - 780	37 -250
NP EL 008		X	1,18	64	40	2,5	3,5	800	175
NP EL 009		X	1,23	74 A	57	4,4	NC	>600	NC
NP EL 201	48 %		1,15	65 A	30	NC	NC	600	35

Several others references are available ; Please come back to us to get information

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