

# BIOPA

## General Properties

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.

BioPA grades commercialized by NaturePlast have the same properties as the conventional PA and can be transformed on plastic processing standard equipments.



# NaturePlast

The natural evolution of plastic



## Applications

**Processing:** extrusion (profil, tubes, etc.), injection molding, fibers, etc.

**Markets:** automotive, technical parts, packaging, textiles, etc.



## Properties

- Properties similar to oil based PA.
- Processing easiness.
- Recyclable in existing PA streams.

Grade	Properties	Biobased content (%)	Density	Viscosity index (cm <sup>3</sup> /g)	Tensile Modulus (MPa)	Elongation at break (%)	Unnotched Charpy impact (kJ/m <sup>2</sup> )	Thermal resistance (°C)
<b>Test ISO</b>		<b>ASTM D6866</b>	<b>1183</b>	<b>307</b>	<b>527</b>	<b>527</b>	<b>179</b>	<b>75-2 or 306</b>
<b><i>Extrusion</i></b>								
<b>NP DU 101</b>	PA 6-10	63	1,08	220	2100	>50	No Break	196 (Vicat B)
<b>NP DU 102</b>	PA10-10	100	1,07	220	1700	>50	No Break	171 (Vicat B)
<b>NP DU 103</b>	PA10-12	45 to 100	1,05	220	1300	>50	No Break	154 (Vicat B)
<b><i>Injection</i></b>								
<b>NP DU 201</b>	PA 6-10	63	1,06	160	2100	>50	No Break	196 (Vicat B)
<b>NP DU 202</b>	PA10-10	100	1,05	160	1700	>50	No Break	171 (Vicat B)
<b>NP DU 203</b>	PA10-12	45 to 100	1,03	160	1300	>50	No Break	154 (Vicat B)

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

## NaturePlast

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