

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