

NaturePlast NP DU 103

Polyamide 1012

NaturePlast

Message:

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.

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

Properties

Properties similar to oil based PA.

Processing easiness.

Recyclable in existing PA streams.

General Information	
Features	Good Processability
	Recyclable Material
	Renewable Resource Content
Uses	Automotive Applications
	Engineering Parts
	Packaging
	Textile Applications
Forms	Pellets
Processing Method	Extrusion
	Fiber (Spinning) Extrusion
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Viscosity Number	220	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	154	°C	ISO 306/B
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	45 to 100	%	ASTM D6866

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