

# MAJ'ECO DN080LA

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO DN080LA is a bio polymer material intended for injection moulding.  
MAJ'ECO DN080LA has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

- Boxes
- Racks
- Technical components

General Information			
Features	Recyclable Material		
	Renewable Resource Content		
Uses	Racks		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	16	g/10 min	ISO 1133
Molding Shrinkage	5.0E-3	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	2420	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	150	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	55.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	140 to 160	°C	
Mold Temperature	20.0 to 40.0	°C	
Screw Speed	30 to 50	rpm	

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Recommended distributors for this material

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