MAJ'ECO DP290MBSE

Polyethylene

AD majoris

Message:

MAJ'ECO DP290MBSE is a vegetal fibre polyethylene compound intended for injection moulding and extrusion.
MAJ'ECO DP290MBSE has been developed especially for demanding applications in various engineering sectors.
APPLICATIONS
Product such as:
Boxes
Profiles
Racks
Technical components...

General Information	
Filler / Reinforcement	Natural fiber reinforced material
Features	Updatable resources
	Recyclable materials
Uses	Profile
	Bracket
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm^3	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	7.0	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Flexural Modulus [1]	1650	MPa	ISO 178
Flexural Stress [2]	41.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	21	kJ/m^2	ISO 179/1eU

Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	4.0	hr
Processing (Melt) Temp	150 - 190	°C

Mold Temperature	30.0 - 50.0		°C
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		
2.	at Yield		

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