

MAJ'ECO CP464W

Polypropylene
AD majoris

Message:

MAJ'ECO CP464W is a 40% wood fibre reinforced polypropylene compound intended for injection moulding.
MAJ'ECO CP464W has been developed especially for demanding applications in various engineering sectors.
MAJ'ECO CP464W is UV stabilised.

APPLICATIONS

Product such as:
Boxes
Racks
Technical components

General Information			
Filler / Reinforcement	Wood fiber, 40% filler by weight		
Additive	UV stabilizer		
Features	Good UV resistance		
	Updatable resources		
	Recyclable materials		
Uses	Container		
	Bracket		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3900	MPa	ISO 527-2/1
Tensile Stress (Break)	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.2	%	ISO 527-2/50
Flexural Modulus ¹	3200	MPa	ISO 178
Flexural Stress ²	51.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	153	°C	ISO 75-2/B
1.8 MPa, not annealed	114	°C	ISO 75-2/A
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.	2.0 mm/min	

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