

MAJ'ECO PSCP300W - 3737

High Impact Polystyrene

AD majoris

Message:

MAJ'ECO PSCP300W - 3737 is a 30% wood fibre reinforced polystyrene compound intended for injection moulding.
MAJ'ECO PSCP300W - 3737 has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

Boxes

Racks

Technical components

General Information			
Filler / Reinforcement	Wood fiber, 30% filler by weight		
Features	Impact resistance, high		
	Updatable resources		
	Recyclable materials		
Uses	Bracket		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm³	ISO 1183
Molding Shrinkage (2.00 mm)	0.10 - 0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3870	MPa	ISO 527-2/1
Tensile Stress (Break)	26.0	MPa	ISO 527-2/50
Flexural Modulus ¹	3770	MPa	ISO 178
Flexural Stress ²	56.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.2	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	7.0	kJ/m²	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. | 2.0 mm/min |

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