

MAJ'ECO EFRHWP304R - 1199

Polypropylene

AD majoris

Message:

MAJ'ECO EFRHWP304R-1199 is a flame retardant vegetal fibre polypropylene compound UL 94 V2, in white colour, intended for injection moulding. MAJ'ECO EFRHWP304R-1199 has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

Boxes

Appliances parts

Technical components

General Information			
Filler / Reinforcement	Natural fiber reinforced material		
Features	Updatable resources		
	Recyclable materials		
	Flame retardancy		
Uses	Home appliance components		
Appearance	White		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2520	MPa	ISO 527-2/1
Tensile Stress (Yield)	21.0	MPa	ISO 527-2/50
Flexural Modulus ¹	2100	MPa	ISO 178
Flexural Stress ²	39.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	14	kJ/m ²	ISO 179/1eU
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	140 - 190	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Moderate		

Injection instructions

Holding pressure: 50 to 70% of the injection pressure

NOTE

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| 1. | 2.0 mm/min |
| 2. | at Yield |

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