MAJORIS FG100X

Polypropylene

AD majoris

Message:

MAJORIS FG100X is a high performance reinforced polypropylene compound intended for injection moulding.
The product is available in natural, but other colours can be provided on request.
MAJORIS FG100X has been developed especially for demanding applications in various engineering sectors.
MAJORIS FG100X has very high rigidity and impact strength, good dimensional stability and creep resistance also at high temperature.
APPLICATIONS
Product requiring, such as:
Electrical appliances
Household appliances
Technical components
Sports leisure

General Information			
Features	Good dimensional stability Rigidity, high Impact resistance, high Recyclable materials Good creep resistance		
Uses	Electrical/Electronic Applications Electrical appliances Sporting goods		
Appearance	Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.997	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Molding Shrinkage	1.0	%	Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3390	MPa	ISO 527-2/1
Tensile Stress (Break)	70.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.8	%	ISO 527-2/50
Flexural Modulus [1]	3220	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Notched Impact Strength (23°C)	7.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	42	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	168	°C	ISO 75-2/B
1.8 MPa, not annealed	154	°C	ISO 75-2/A
Ball Pressure Test (140°C)	Pass		NF C 61-303
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 - 270	°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		

Recommended distributors for this material

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