MAJORIS FG308X - 8229

Polypropylene

AD majoris

Message:

MAJORIS FG308X - 8229 is a high performance reinforced polypropylene compound intended for injection moulding.
MAJORIS FG308X - 8229 has been developed especially for demanding applications in various engineering sectors.
MAJORIS FG308X - 8229 has high rigidity and impact strength, good dimensional stability, very good stiffness and good creep resistancy also at high temperatures.
APPLICATIONS
Product requiring very high overall mechanical performance such as:
Electrical tool and appliance components
Under the bonnet parts
Miscellaneous technical items

General Information			
Features	Good dimensional stability		
	Rigidity, high		
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	Impact resistance, high		
	Recyclable materials		
	Good creep resistance		
Uses	Electrical/Electronic Applications		
	Power/other tools		
	Home appliance components		
	Parts under the hood of a car		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.18	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction: 2.00mm	1.0	%	Internal method
Flow direction: 2.00mm	0.30	%	Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	8170	MPa	ISO 527-2/1
Tensile Stress (Yield)	102	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/50
Flexural Modulus [1]	7300	MPa	ISO 178
Flexural Stress	173	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 - 270	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Moderate		
Holding Pressure	30.0 - 60.0	MPa	
Injection instructions			
Screw speed: Low to mediumBack pressure: Low to medium			
NOTE			
1.	2.0 mm/min		

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